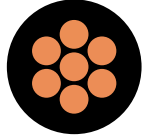




شركة الكابلات السعودية
SAUDI CABLE COMPANY



INDUSTRIAL CABLES CATALOGUE

INSTRUMENTATION CABLES
FOUNDATION FIELDBUS CABLES
THERMOCOUPLE CABLES
CONTROL CABLES



Introduction

Satisfying today's demands for Power & Telecommunications Systems is the business of Saudi Cable Company (SCC) Group, the Middle East's foremost provider of technologically advanced cable solutions and services.

Conceived in 1975, the company has now come to be globally recognized for its excellence in product design and engineering, as well as its world class total solution services, by various governmental agencies, oil, gas and petrochemical industries and public utilities worldwide. SCC's factory, located in Industrial City, Jeddah, consists of ultra-modern facilities, high-tech machinery and a well-equipped laboratory, built for conducting various routine and type tests.

It operates with a clearly defined and documented Quality System set in accordance with the guidelines of ISO 9001:2008 for all its activities, right from the product design, engineering, to the selection of raw material, suppliers, schedule planning, production and testing, then the delivery of cables, with a policy of total customer satisfaction. SCC's cable products are manufactured to International Standards, tested and certified by prestigious institutions such as Underwriters Laboratories (UL), British Standards Institution (BSI), International Electrotechnical Commission (IEC), European Standards (EN), Saudi

ARAMCO Material Supply Specification (SAMSS), SABIC (Saudi Basic Industries Companies), Royal Commission for Jubail & Yanbu, Saudi Arabian Standards Organization (SASO), Saudi National Grid - Saudi Electricity Company (SEC), SWCC (Saudi Water Conversion Corporation) Saudi Telecom Company (STC) etc.

SCC manufactured cables are approved by all major organizations in Saudi Arabia such as: Saudi National Grid - SEC, SAUDI ARAMCO, SABIC, Royal commission of Jubail and Yanbu, SWCC, STC, and others, as well as in all major organizations in the GCC (Bahrain, Kuwait, Qatar, Oman & United Arab Emirates) and MENA (Middle East and North Africa).

This catalogue covers Instrumentation, Foundation Field Bus, Thermocouple, Fire Resistant and Lead Sheathed Cables and gives illustrative technical parameters for each cable. However, this range isn't restricted since SCC Cables' true value lies in the adaptation of the products according to the customer requirements and specifications.

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Complete TOC when finished

APPLICATION

- The cables are recommended for indoor and outdoor installation in dry and wet locations, in cable racks and trays, in conduits and suitable for direct burial.
- For Transmission of analogue and digital signals in instrument and control systems; allowed for use in hazardous classified locations class I and class II division 2 acc. to NEC 501-4(b) and NEC 502-4(b), not allowed for direct connection to low impedance sources, e.g. Public mains electricity supply.

Single & Multipair and Multi-Triple, individual and/or overall screen, PVC- sheath

Cable Features:

Unarmoured
Armoured

Common Cable Construction:

Conductor Type
- Plain Copper
- Tinned Coated Copper

Insulation Material
- XLPE 90°C
- PVC 90°C

Unarmoured

Armoured
- Galvanised Steel
Wires
- Double Steel Tape

Jackets

- PVC Flame Retardant, Oil and Sunlight Resistant
- Low Smoke Zero Halogen Free

A. ELECTRICAL PROPERTIES OF INSTRUMENTATION CABLES - TYPE PLTC/ITC - 300V

Conductor size (AWG)				12	14	16	18
Conductor Resistance @ 20°C	Plain Cu	Ω / km	max.	5.63	8.95	14.25	22.80
	Tinned Cu			5.83	9.3	14.9	23.6
Mutual Capacitance @ 1 KHz	XLPE	nF/km	max.	≤ 150	≤ 150	≤ 150	≤ 150
	PVC			≤ 250	≤ 250	≤ 250	≤ 250
L/R ratio		$\mu\text{H}/\Omega$	max.	≤ 80	≤ 60	≤ 40	≤ 25
Insulation Resistance	XLPE	$\text{M}\Omega - \text{Km}$	min.	30.50	30.50	30.50	30.50
	PVC						
Test Voltage Core/Core (U_{rms}) Core/shield (U_{rms})	XLPE	V	max.	1500	1500	1500	1500
	PVC						

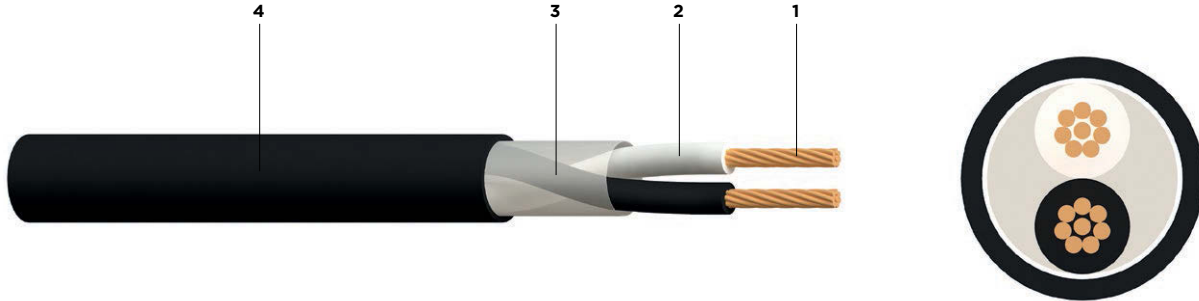
PHYSICAL PROPERTIES

Flame Retardancy	Passes UL 1685 vertical tray flame test & IEC 60332-3 Cat. A or C
Sunlight Resistance	Passes UL-1581 test (720 hours)
Oil Resistance	Passes UL-13 test (Oil I)
Minimum Bending Radius	7.5 x Cable Outside Diameter (for unarmoured cables) 10 x Cable Outside Diameter (for armoured cables)
Temperature Range (operation)	During Operation: -30°C to +90°C During Installation: -5°C to +50°C

INSULATION AND JACKET COLOURS

Pair colour	Black & White. Other pair colours are available upon request.
Triad colour	Black, White and Red. Other triad colours are available upon request.
Jacket colour	Black. Other colours are available upon request.

1. **Conductor:** Stranded Plain/Tinned Copper conductor.
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay, applied with polyester wrapping tape.
4. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Black).



SINGLE PAIR XLPE/PVC UNSHIELDED CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01PC2-J-XFYu	XLPE	18	0.66	0.90	8.45	51
01PC2-J-YaYu	PVC	18	0.66	0.90	8.45	60
01PC2-H-XFYu	XLPE	16	0.66	1.02	9.30	68
01PC2-H-YaYu	PVC	16	0.66	1.02	9.30	80
01PC2-I-XFYu	XLPE	14	0.66	1.02	10.0	88
01PC2-I-YaYu	PVC	14	0.66	1.02	10.0	100
01PC2-G-XFYu	XLPE	12	0.66	1.07	11.0	118
01PC2-G-YaYu	PVC	12	0.66	1.07	11.0	130

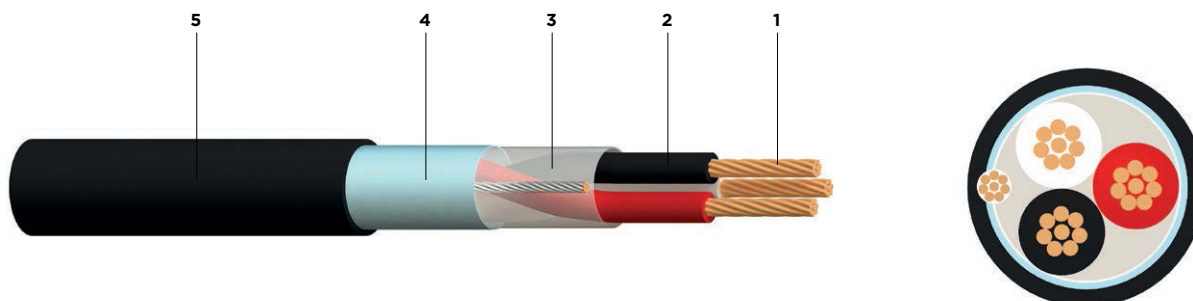
SINGLE TRIAD XLPE/PVC UNSHIELDED CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01TC2-J-XFYu	XLPE	18	0.66	1.02	9.10	69
01TC2-J-YaYu	PVC	18	0.66	1.02	9.10	80
01TC2-H-XFYu	XLPE	16	0.66	1.02	9.75	88
01TC2-H-YaYu	PVC	16	0.66	1.02	9.75	100
01TC2-I-XFYu	XLPE	14	0.66	1.02	10.60	116
01TC2-I-YaYu	PVC	14	0.66	1.02	10.60	130
01TC2-G-XFYu	XLPE	12	0.66	1.27	12.10	171
01TC2-G-YaYu	PVC	12	0.66	1.27	12.10	190

Note: 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 2.) Other conductor sizes are available upon request.
 3.) Other jacket materials are available upon request.
 4.) Standard cutting length 1000m ± 5%. Other lengths are available upon request.

The information given in this leaflet is correct to the best of our knowledge and given in good faith, however the right is reserved to make alterations without prior notice.

1. **Conductor:** Stranded Plain/Tinned Copper conductor.
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay, applied with polyester wrapping tape.
4. **Screening/Shielding:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
5. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Black).



SINGLE PAIR XLPE/PVC SHIELDED CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01PC2-J-XFOSYU	XLPE	18	0.66	0.90	8.80	58
01PC2-J-YaOSYU	PVC					65
01PC2-H-XFOSYU	XLPE	16	0.66	1.02	9.65	76
01PC2-H-YaOSYU	PVC					85
01PC2-I-XFOSYU	XLPE	14	0.66	1.02	10.45	96
01PC2-I-YaOSYU	PVC					110
01PC2-G-XFOSYU	XLPE	12	0.66	1.02	11.35	126
01PC2-G-YaOSYU	PVC					140

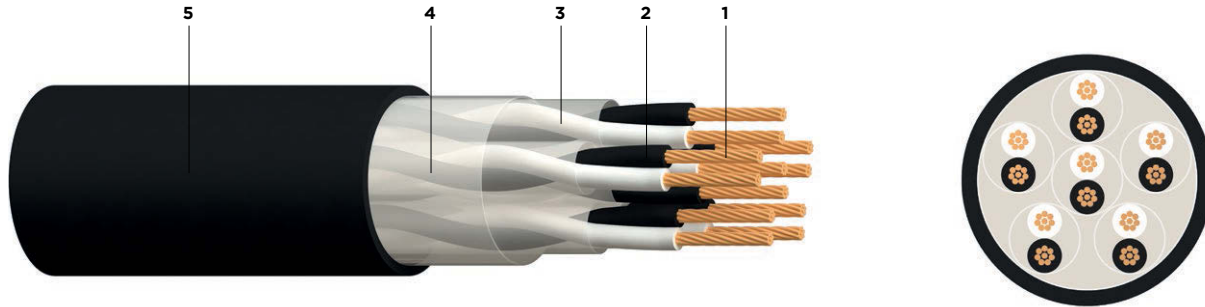
SINGLE TRIAD XLPE/PVC SHIELDED CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01TC2-J-XFOSYU	XLPE	18	0.66	1.02	9.50	77
01TC2-J-YaOSYU	PVC					90
01TC2-H-XFOSYU	XLPE	16	0.66	1.02	10.10	96
01TC2-H-YaOSYU	PVC					110
01TC2-I-XFOSYU	XLPE	14	0.66	1.02	10.90	124
01TC2-I-YaOSYU	PVC					140
01TC2-G-XFOSYU	XLPE	12	0.66	1.27	12.50	180
01TC2-G-YaOSYU	PVC					200

Note: 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 2.) Other conductor sizes are available upon request.
 3.) Other jacket materials are available upon request.
 4.) Standard cutting length 1000m ± 5%. Other lengths are available upon request.

The information given in this leaflet is correct to the best of our knowledge and given in good faith, however the right is reserved to make alterations without prior notice.

1. **Conductor:** Stranded Plain/Tinned Copper conductor.
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay.
4. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
5. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Black).



MULTI PAIR XLPE/PVC UNSHIELDED CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-J-XFYu	XLPE	18	2	0.66	1.27	12.50	108
02PC2-J-YaYu	PVC						126
04PC2-J-XFYu	XLPE	18	4	0.66	1.27	14.15	168
04PC2-J-YaYu	PVC						190
06PC2-J-XFYu	XLPE	18	6	0.66	1.27	16.55	231
06PC2-J-YaYu	PVC						250
08PC2-J-XFYu	XLPE	18	8	0.66	1.52	18.90	312
08PC2-J-YaYu	PVC						335
10PC2-J-XFYu	XLPE	18	10	0.66	1.52	21.15	378
10PC2-J-YaYu	PVC						390
12PC2-J-XFYu	XLPE	18	12	0.66	1.52	21.80	431
12PC2-J-YaYu	PVC						450
16PC2-J-XFYu	XLPE	18	16	0.66	1.78	24.60	574
16PC2-J-YaYu	PVC						675
24PC2-J-XFYu	XLPE	18	24	0.66	1.78	30.00	815
24PC2-J-YaYu	PVC						955
36PC2-J-XFYu	XLPE	18	36	0.66	2.03	34.50	1183
36PC2-J-YaYu	PVC						1385
02PC2-H-XFYu	XLPE	16	2	0.66	1.27	13.40	168
02PC2-H-YaYu	PVC						170
04PC2-H-XFYu	XLPE	16	4	0.66	1.27	15.35	216
04PC2-H-YaYu	PVC						240
06PC2-H-XFYu	XLPE	16	6	0.66	1.52	18.55	322
06PC2-H-YaYu	PVC						370
08PC2-H-XFYu	XLPE	16	8	0.66	1.52	20.60	407
08PC2-H-YaYu	PVC						460
10PC2-H-XFYu	XLPE	16	10	0.66	1.52	23.15	495
10PC2-H-YaYu	PVC						570
12PC2-H-XFYu	XLPE	16	12	0.66	1.78	24.40	598
12PC2-H-YaYu	PVC						650
16PC2-H-XFYu	XLPE	16	16	0.66	1.78	27.00	758
16PC2-H-YaYu	PVC						870
24PC2-H-XFYu	XLPE	16	24	0.66	1.78	32.85	1087
24PC2-H-YaYu	PVC						1250
36PC2-H-XFYu	XLPE	16	36	0.66	2.03	38.00	1586
36PC2-H-YaYu	PVC						1820

- Note:**
- 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 - 2.) Other conductor sizes are available upon request.
 - 3.) Other jacket materials are available upon request.
 - 4.) Standard cutting length 1000m ± 5%. Other lengths are available upon request.

The information given in this leaflet is correct to the best of our knowledge and given in good faith, however the right is reserved to make alterations without prior notice.

MULTI PAIR XLPE/PVC UNSHIELDED CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-I-XFYu	XLPE	14	2	0.66	1.27	14.70	175
02PC2-I-YaYu	PVC	14	2	0.66	1.27	14.70	200
04PC2-I-XFYu	XLPE	14	4	0.66	1.27	16.85	291
04PC2-I-YaYu	PVC	14	4	0.66	1.27	16.85	335
06PC2-I-XFYu	XLPE	14	6	0.66	1.52	20.40	433
06PC2-I-YaYu	PVC	14	6	0.66	1.52	20.40	495
08PC2-I-XFYu	XLPE	14	8	0.66	1.52	22.75	553
08PC2-I-YaYu	PVC	14	8	0.66	1.52	22.75	600
10PC2-I-XFYu	XLPE	14	10	0.66	1.78	26.15	706
10PC2-I-YaYu	PVC	14	10	0.66	1.78	26.15	795
12PC2-I-XFYu	XLPE	14	12	0.66	1.78	27.00	815
12PC2-I-YaYu	PVC	14	12	0.66	1.78	27.00	910
16PC2-I-XFYu	XLPE	14	16	0.66	1.78	29.80	1043
16PC2-I-YaYu	PVC	14	16	0.66	1.78	29.80	1170
24PC2-I-XFYu	XLPE	14	24	0.66	2.03	37.15	1552
24PC2-I-YaYu	PVC	14	24	0.66	2.03	37.15	1750
36PC2-I-XFYu	XLPE	14	36	0.66	2.03	42.35	2215
36PC2-I-YaYu	PVC	14	36	0.66	2.03	42.35	2490
02PC2-G-XFYu	XLPE	12	2	0.66	1.27	16.20	234
02PC2-G-YaYu	PVC	12	2	0.66	1.27	16.20	280
04PC2-G-XFYu	XLPE	12	4	0.66	1.52	19.25	421
04PC2-G-YaYu	PVC	12	4	0.66	1.52	19.25	485
06PC2-G-XFYu	XLPE	12	6	0.66	1.52	22.70	598
06PC2-G-YaYu	PVC	12	6	0.66	1.52	22.70	680
08PC2-G-XFYu	XLPE	12	8	0.66	1.78	26.0	799
08PC2-G-YaYu	PVC	12	8	0.66	1.78	26.0	905
10PC2-G-XFYu	XLPE	12	10	0.66	1.78	29.25	979
10PC2-G-YaYu	PVC	12	10	0.66	1.78	29.25	1105
12PC2-G-XFYu	XLPE	12	12	0.66	1.78	30.20	1138
12PC2-G-YaYu	PVC	12	12	0.66	1.78	30.20	1260
16PC2-G-XFYu	XLPE	12	16	0.66	2.03	34.0	1507
16PC2-G-YaYu	PVC	12	16	0.66	2.03	34.0	1660
24PC2-G-XFYu	XLPE	12	24	0.66	2.03	41.75	2188
24PC2-G-YaYu	PVC	12	24	0.66	2.03	41.75	2400
36PC2-G-XFYu	XLPE	12	36	0.66	2.29	48.30	3212
36PC2-G-YaYu	PVC	12	36	0.66	2.29	48.30	3500

MULTI TRIAD XLPE/PVC UNSHIELDED CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-J-XFYu	XLPE	18	2	0.66	1.27	13.65	140
02TC2-J-YaYu	PVC	18	2	0.66	1.27	13.65	175
04TC2-J-XFYu	XLPE	18	4	0.66	1.27	15.60	226
04TC2-J-YaYu	PVC	18	4	0.66	1.27	15.60	275
06TC2-J-XFYu	XLPE	18	6	0.66	1.27	18.85	336
06TC2-J-YaYu	PVC	18	6	0.66	1.27	18.85	400
08TC2-J-XFYu	XLPE	18	8	0.66	1.52	20.95	425
08TC2-J-YaYu	PVC	18	8	0.66	1.52	20.95	510
10TC2-J-XFYu	XLPE	18	10	0.66	1.52	23.55	517
10TC2-J-YaYu	PVC	18	10	0.66	1.52	23.55	625
12TC2-J-XFYu	XLPE	18	12	0.66	1.52	24.85	625
12TC2-J-YaYu	PVC	18	12	0.66	1.52	24.85	750
16TC2-J-XFYu	XLPE	18	16	0.66	1.78	27.40	793
16TC2-J-YaYu	PVC	18	16	0.66	1.78	27.40	950
24TC2-J-XFYu	XLPE	18	24	0.66	1.78	34.0	1178
24TC2-J-YaYu	PVC	18	24	0.66	1.78	34.0	1390
36TC2-J-XFYu	XLPE	18	36	0.66	2.03	38.70	1664
36TC2-J-YaYu	PVC	18	36	0.66	2.03	38.70	1950

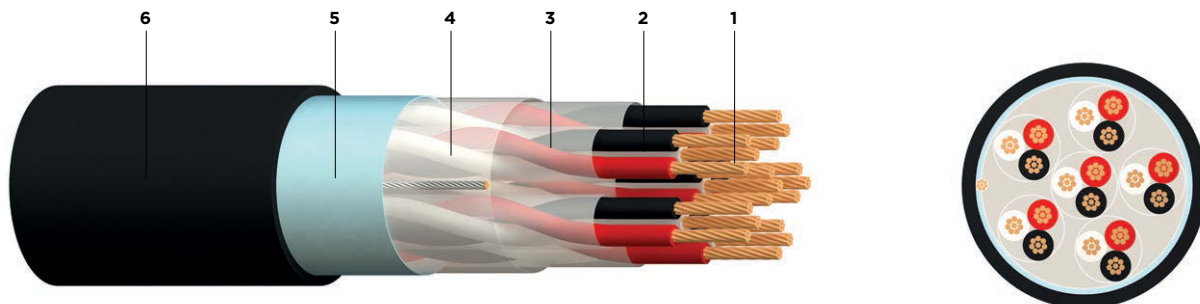
- Note: 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
2.) Other conductor sizes are available upon request.
3.) Other jacket materials are available upon request.
4.) Standard cutting length 1000m ± 5%. Other lengths are available upon request.

MULTI TRIAD XLPE/PVC UNSHIELDED CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-H-XFYu	XLPE	16	2	0.66	1.27	14.80	178
02TC2-H-YaYu	PVC						210
04TC2-H-XFYu	XLPE	16	4	0.66	1.52	17.50	315
04TC2-H-YaYu	PVC						345
06TC2-H-XFYu	XLPE	16	6	0.66	1.52	20.55	441
06TC2-H-YaYu	PVC						510
08TC2-H-XFYu	XLPE	16	8	0.66	1.52	22.90	563
08TC2-H-YaYu	PVC						655
10TC2-H-XFYu	XLPE	16	10	0.66	1.78	26.40	719
10TC2-H-YaYu	PVC						825
12TC2-H-XFYu	XLPE	16	12	0.66	1.78	27.20	830
12TC2-H-YaYu	PVC						940
16TC2-H-XFYu	XLPE	16	16	0.66	1.78	30.10	1063
16TC2-H-YaYu	PVC						1210
24TC2-H-XFYu	XLPE	16	24	0.66	2.03	37.40	1581
24TC2-H-YaYu	PVC						1810
36TC2-H-XFYu	XLPE	16	36	0.66	2.29	43.25	2309
36TC2-H-YaYu	PVC						2590
02TC2-I-XFYu	XLPE	14	2	0.66	1.27	16.20	235
02TC2-I-YaYu	PVC						270
04TC2-I-XFYu	XLPE	14	4	0.66	1.52	19.20	425
04TC2-I-YaYu	PVC						480
06TC2-I-XFYu	XLPE	14	6	0.66	1.52	22.70	603
06TC2-I-YaYu	PVC						680
08TC2-I-XFYu	XLPE	14	8	0.66	1.78	25.90	806
08TC2-I-YaYu	PVC						910
10TC2-I-XFYu	XLPE	14	10	0.66	1.78	29.25	987
10TC2-I-YaYu	PVC						1120
12TC2-I-XFYu	XLPE	14	12	0.66	1.78	30.15	1148
12TC2-I-YaYu	PVC						1290
16TC2-I-XFYu	XLPE	14	16	0.66	2.03	33.90	1520
16TC2-I-YaYu	PVC						1710
24TC2-I-XFYu	XLPE	14	24	0.66	2.03	41.70	2208
24TC2-I-YaYu	PVC						2480
36TC2-I-XFYu	XLPE	14	36	0.66	2.29	48.20	3242
36TC2-I-YaYu	PVC						3640
02TC2-G-XFYu	XLPE	12	2	0.66	1.52	18.50	340
02TC2-G-YaYu	PVC						385
04TC2-G-XFYu	XLPE	12	4	0.66	1.52	21.35	588
04TC2-G-YaYu	PVC						660
06TC2-G-XFYu	XLPE	12	6	0.66	1.78	25.88	874
06TC2-G-YaYu	PVC						980
08TC2-G-XFYu	XLPE	12	8	0.66	1.78	28.96	1128
08TC2-G-YaYu	PVC						1250
10TC2-G-XFYu	XLPE	12	10	0.66	1.78	32.75	1387
10TC2-G-YaYu	PVC						1535
12TC2-G-XFYu	XLPE	12	12	0.66	2.03	34.35	1662
12TC2-G-YaYu	PVC						1830
16TC2-G-XFYu	XLPE	12	16	0.66	2.03	38.10	2152
16TC2-G-YaYu	PVC						2370
24TC2-G-XFYu	XLPE	12	24	0.66	2.29	47.50	3203
24TC2-G-YaYu	PVC						3530
36TC2-G-XFYu	XLPE	12	36	0.66	2.55	54.90	4706
36TC2-G-YaYu	PVC						5190

- Note:** 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
2.) Other conductor sizes are available upon request.
3.) Other jacket materials are available upon request.
4.) Standard cutting length 1000m ± 5%. Other lengths are available upon request.

1. **Conductor:** Stranded Plain/Tinned Copper conductor.
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay.
4. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
5. **Overall Shielding:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
6. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Black).



MULTI PAIR XLPE/PVC UNSHIELDED WITH OVERALL SHIELD CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-J-XFOSYu	XLPE	18	2	0.66	1.27	12.80	117
02PC2-J-YaOSYu	PVC						135
04PC2-J-XFOSYu	XLPE	18	4	0.66	1.27	14.52	177
04PC2-J-YaOSYu	PVC						205
06PC2-J-XFOSYu	XLPE	18	6	0.66	1.27	16.90	241
06PC2-J-YaOSYu	PVC						285
08PC2-J-XFOSYu	XLPE	18	8	0.66	1.52	19.27	323
08PC2-J-YaOSYu	PVC						375
10PC2-J-XFOSYu	XLPE	18	10	0.66	1.52	21.52	389
10PC2-J-YaOSYu	PVC						455
12PC2-J-XFOSYu	XLPE	18	12	0.66	1.52	22.18	443
12PC2-J-YaOSYu	PVC						520
16PC2-J-XFOSYu	XLPE	18	16	0.66	1.78	24.94	586
16PC2-J-YaOSYu	PVC						685
24PC2-J-XFOSYu	XLPE	18	24	0.66	1.78	30.27	829
24PC2-J-YaOSYu	PVC						970
36PC2-J-XFOSYu	XLPE	18	36	0.66	2.03	34.89	1198
36PC2-J-YaOSYu	PVC						1405
02PC2-H-XFOSYu	XLPE	16	2	0.66	1.27	13.78	144
02PC2-H-YaOSYu	PVC						170
04PC2-H-XFOSYu	XLPE	16	4	0.66	1.27	15.71	226
04PC2-H-YaOSYu	PVC						260
06PC2-H-XFOSYu	XLPE	16	6	0.66	1.52	18.90	333
06PC2-H-YaOSYu	PVC						385
08PC2-H-XFOSYu	XLPE	16	8	0.66	1.52	20.96	418
08PC2-H-YaOSYu	PVC						485
10PC2-H-XFOSYu	XLPE	16	10	0.66	1.52	23.49	507
10PC2-H-YaOSYu	PVC						585
12PC2-H-XFOSYu	XLPE	16	12	0.66	1.78	24.74	610
12PC2-H-YaOSYu	PVC						670
16PC2-H-XFOSYu	XLPE	16	16	0.66	1.78	27.25	771
16PC2-H-YaOSYu	PVC						885
24PC2-H-XFOSYu	XLPE	16	24	0.66	1.78	33.22	1102
24PC2-H-YaOSYu	PVC						1265
36PC2-H-XFOSYu	XLPE	16	36	0.66	2.03	38.33	1603
36PC2-H-YaOSYu	PVC						1840

The information given in this leaflet is correct to the best of our knowledge and given in good faith, however the right is reserved to make alterations without prior notice.

MULTI PAIR XLPE/PVC UNSHIELDED WITH OVERALL SHIELD CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-I-XFOSYu	XLPE	14	2	0.66	1.27	15.03	184
02PC2-I-YaOSYu	PVC						212
04PC2-I-XFOSYu	XLPE	14	4	0.66	1.27	17.22	300
04PC2-I-YaOSYu	PVC						345
06PC2-I-XFOSYu	XLPE	14	6	0.66	1.52	20.77	444
06PC2-I-YaOSYu	PVC						505
08PC2-I-XFOSYu	XLPE	14	8	0.66	1.52	23.11	564
08PC2-I-YaOSYu	PVC						635
10PC2-I-XFOSYu	XLPE	14	10	0.66	1.78	26.53	719
10PC2-I-YaOSYu	PVC						810
12PC2-I-XFOSYu	XLPE	14	12	0.66	1.78	27.37	828
12PC2-I-YaOSYu	PVC						935
16PC2-I-XFOSYu	XLPE	14	16	0.66	1.78	30.18	1057
16PC2-I-YaOSYu	PVC						1190
24PC2-I-XFOSYu	XLPE	14	24	0.66	2.03	37.48	1568
24PC2-I-YaOSYu	PVC						1765
36PC2-I-XFOSYu	XLPE	14	36	0.66	2.03	42.70	2232
36PC2-I-YaOSYu	PVC						2510
02PC2-G-XFOSYu	XLPE	12	2	0.66	1.27	16.57	243
02PC2-G-YaOSYu	PVC						275
04PC2-G-XFOSYu	XLPE	12	4	0.66	1.52	19.61	432
04PC2-G-YaOSYu	PVC						480
06PC2-G-XFOSYu	XLPE	12	6	0.66	1.52	23.08	610
06PC2-G-YaOSYu	PVC						675
08PC2-G-XFOSYu	XLPE	12	8	0.66	1.78	26.32	812
08PC2-G-YaOSYu	PVC						900
10PC2-G-XFOSYu	XLPE	12	10	0.66	1.78	29.61	993
10PC2-G-YaOSYu	PVC						1100
12PC2-G-XFOSYu	XLPE	12	12	0.66	1.78	30.57	1152
12PC2-G-YaOSYu	PVC						1275
16PC2-G-XFOSYu	XLPE	12	16	0.66	2.03	34.32	1522
16PC2-G-YaOSYu	PVC						1685
24PC2-G-XFOSYu	XLPE	12	24	0.66	2.03	42.11	2205
24PC2-G-YaOSYu	PVC						2435
36PC2-G-XFOSYu	XLPE	12	36	0.66	2.29	48.64	3231
36PC2-G-YaOSYu	PVC						3565

MULTI TRIAD XLPE/PVC UNSHIELDED WITH OVERALL SHIELD CABLE - DIMENSIONS AND WEIGHTS

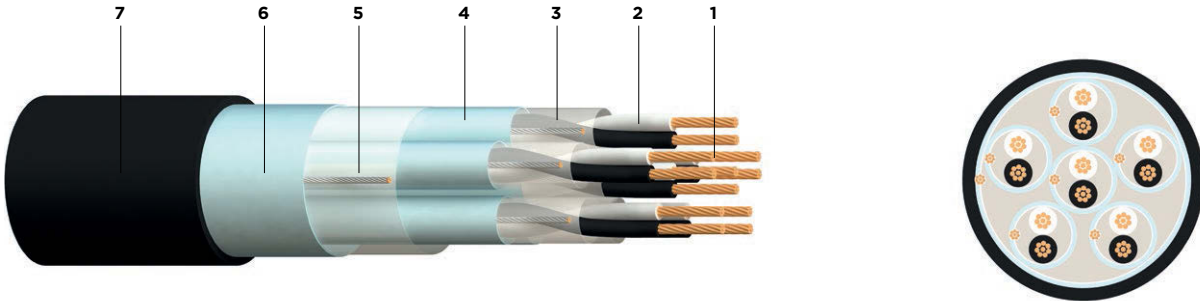
SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-J-XFOSYu	XLPE	18	2	0.66	1.27	14.00	149
02TC2-J-YaOSYu	PVC						175
04TC2-J-XFOSYu	XLPE	18	4	0.66	1.27	15.97	235
04TC2-J-YaOSYu	PVC						275
06TC2-J-XFOSYu	XLPE	18	6	0.66	1.52	19.21	347
06TC2-J-YaOSYu	PVC						405
08TC2-J-XFOSYu	XLPE	18	8	0.66	1.52	21.33	436
08TC2-J-YaOSYu	PVC						510
10TC2-J-XFOSYu	XLPE	18	10	0.66	1.78	23.91	529
10TC2-J-YaOSYu	PVC						620
12TC2-J-XFOSYu	XLPE	18	12	0.66	1.78	25.21	637
12TC2-J-YaOSYu	PVC						745
16TC2-J-XFOSYu	XLPE	18	16	0.66	1.78	27.75	806
16TC2-J-YaOSYu	PVC						945
24TC2-J-XFOSYu	XLPE	18	24	0.66	2.03	34.38	1193
24TC2-J-YaOSYu	PVC						1395
36TC2-J-XFOSYu	XLPE	18	36	0.66	2.03	39.08	1680
36TC2-J-YaOSYu	PVC						1970
02TC2-H-XFOSYu	XLPE	16	2	0.66	1.27	15.13	187
02TC2-H-YaOSYu	PVC						215
04TC2-H-XFOSYu	XLPE	16	4	0.66	1.52	17.86	325
04TC2-H-YaOSYu	PVC						350
06TC2-H-XFOSYu	XLPE	16	6	0.66	1.52	20.91	452
06TC2-H-YaOSYu	PVC						520
08TC2-H-XFOSYu	XLPE	16	8	0.66	1.78	23.28	574
08TC2-H-YaOSYu	PVC						660
10TC2-H-XFOSYu	XLPE	16	10	0.66	1.78	26.72	731
10TC2-H-YaOSYu	PVC						840
12TC2-H-XFOSYu	XLPE	16	12	0.66	1.78	27.57	843
12TC2-H-YaOSYu	PVC						970
16TC2-H-XFOSYu	XLPE	16	16	0.66	2.03	30.41	1077
16TC2-H-YaOSYu	PVC						1235
24TC2-H-XFOSYu	XLPE	16	24	0.66	2.03	37.77	1597
24TC2-H-YaOSYu	PVC						1830
36TC2-H-XFOSYu	XLPE	16	36	0.66	2.29	43.58	2327
36TC2-H-YaOSYu	PVC						2610

MULTI TRIAD XLPE/PVC UNSHIELDED WITH OVERALL SHIELD CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-I-XFOSYu	XLPE	14	2	0.66	1.27	16.55	245
02TC2-I-YaOSYu	PVC						280
04TC2-I-XFOSYu	XLPE	14	4	0.66	1.52	19.58	435
04TC2-I-YaOSYu	PVC						490
06TC2-I-XFOSYu	XLPE	14	6	0.66	1.52	23.05	615
06TC2-I-YaOSYu	PVC						695
08TC2-I-XFOSYu	XLPE	14	8	0.66	1.78	26.30	819
08TC2-I-YaOSYu	PVC						925
10TC2-I-XFOSYu	XLPE	14	10	0.66	1.78	29.58	1001
10TC2-I-YaOSYu	PVC						1125
12TC2-I-XFOSYu	XLPE	14	12	0.66	1.78	30.53	1162
12TC2-I-YaOSYu	PVC						1285
16TC2-I-XFOSYu	XLPE	14	16	0.66	2.03	34.28	1535
16TC2-I-YaOSYu	PVC						1725
24TC2-I-XFOSYu	XLPE	14	24	0.66	2.03	42.10	2225
24TC2-I-YaOSYu	PVC						2500
36TC2-I-XFOSYu	XLPE	14	36	0.66	2.29	48.58	3261
36TC2-I-YaOSYu	PVC						3660
02TC2-G-XFOSYu	XLPE	12	2	0.66	1.52	18.83	351
02TC2-G-YaOSYu	PVC						395
04TC2-G-XFOSYu	XLPE	12	4	0.66	1.52	21.71	600
04TC2-G-YaOSYu	PVC						665
06TC2-G-XFOSYu	XLPE	12	6	0.66	1.78	26.24	887
06TC2-G-YaOSYu	PVC						985
08TC2-G-XFOSYu	XLPE	12	8	0.66	1.78	29.32	1141
08TC2-G-YaOSYu	PVC						1265
10TC2-G-XFOSYu	XLPE	12	10	0.66	1.78	33.10	1401
10TC2-G-YaOSYu	PVC						1550
12TC2-G-XFOSYu	XLPE	12	12	0.66	2.03	34.71	1677
12TC2-G-YaOSYu	PVC						1855
16TC2-G-XFOSYu	XLPE	12	16	0.66	2.03	38.41	2168
16TC2-G-YaOSYu	PVC						2395
24TC2-G-XFOSYu	XLPE	12	24	0.66	2.29	47.87	3222
24TC2-G-YaOSYu	PVC						3555
36TC2-G-XFOSYu	XLPE	12	36	0.66	2.55	55.28	4727
36TC2-G-YaOSYu	PVC						5215

Note: 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 2.) Other conductor sizes are available upon request.
 3.) Other jacket materials are available upon request.
 4.) Standard cutting length 1000m ± 5%. Other lengths are available upon request.

1. **Conductor:** Stranded Plain/Tinned Copper conductor.
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay.
4. **Individual Screening/Shield:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
5. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
6. **Overall Screening/Shield:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
7. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Black).



MULTI PAIR XLPE/PVC WITH INDIVIDUAL AND OVERALL SHIELD CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-J-XFISYu	XLPE	18	2	0.66	1.27	13.39	136
02PC2-J-YaISYu	PVC						155
04PC2-J-XFISYu	XLPE	18	4	0.66	1.27	15.23	212
04PC2-J-YaISYu	PVC						240
06PC2-J-XFISYu	XLPE	18	6	0.66	1.52	18.30	312
06PC2-J-YaISYu	PVC						355
08PC2-J-XFISYu	XLPE	18	8	0.66	1.52	20.28	391
08PC2-J-YaISYu	PVC						445
10PC2-J-XFISYu	XLPE	18	10	0.66	1.52	22.70	473
10PC2-J-YaISYu	PVC						535
12PC2-J-XFISYu	XLPE	18	12	0.66	1.52	23.40	543
12PC2-J-YaISYu	PVC						615
16PC2-J-XFISYu	XLPE	18	16	0.66	1.78	26.32	719
16PC2-J-YaISYu	PVC						820
24PC2-J-XFISYu	XLPE	18	24	0.66	1.78	32.03	1026
24PC2-J-YaISYu	PVC						1170
36PC2-J-XFISYu	XLPE	18	36	0.66	2.03	36.95	1491
36PC2-J-YaISYu	PVC						1695
02PC2-H-XFISYu	XLPE	16	2	0.66	1.27	14.40	163
02PC2-H-YaISYu	PVC						190
04PC2-H-XFISYu	XLPE	16	4	0.66	1.27	16.45	261
04PC2-H-YaISYu	PVC						310
06PC2-H-XFISYu	XLPE	16	6	0.66	1.52	19.81	385
06PC2-H-YaISYu	PVC						455
08PC2-H-XFISYu	XLPE	16	8	0.66	1.52	22.02	486
08PC2-H-YaISYu	PVC						575
10PC2-H-XFISYu	XLPE	16	10	0.66	1.78	25.26	621
10PC2-H-YaISYu	PVC						735
12PC2-H-XFISYu	XLPE	16	12	0.66	1.78	26.05	712
12PC2-H-YaISYu	PVC						846
16PC2-H-XFISYu	XLPE	16	16	0.66	1.78	28.69	905
16PC2-H-YaISYu	PVC						1075
24PC2-H-XFISYu	XLPE	16	24	0.66	2.03	35.58	1340
24PC2-H-YaISYu	PVC						1590
36PC2-H-XFISYu	XLPE	16	36	0.66	2.03	40.48	1896
36PC2-H-YaISYu	PVC						2255

The information given in this leaflet is correct to the best of our knowledge and given in good faith, however the right is reserved to make alterations without prior notice.

MULTI PAIR XLPE/PVC WITH INDIVIDUAL AND OVERALL SHIELD CABLE – DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-I-XFISYu	XLPE	14	2	0.66	1.27	15.67	205
02PC2-I-YaISYu	PVC						235
04PC2-I-XFISYu	XLPE	14	4	0.66	1.52	18.52	358
04PC2-I-YaISYu	PVC						415
06PC2-I-XFISYu	XLPE	14	6	0.66	1.52	21.73	501
06PC2-I-YaISYu	PVC						580
08PC2-I-XFISYu	XLPE	14	8	0.66	1.78	24.77	667
08PC2-I-YaISYu	PVC						740
10PC2-I-XFISYu	XLPE	14	10	0.66	1.78	27.82	812
10PC2-I-YaISYu	PVC						940
12PC2-I-XFISYu	XLPE	14	12	0.66	1.78	28.70	938
12PC2-I-YaISYu	PVC						1085
16PC2-I-XFISYu	XLPE	14	16	0.66	1.78	31.69	1201
16PC2-I-YaISYu	PVC						1390
24PC2-I-XFISYu	XLPE	14	24	0.66	2.03	39.41	1783
24PC2-I-YaISYu	PVC						2060
36PC2-I-XFISYu	XLPE	14	36	0.66	2.29	45.50	2603
36PC2-I-YaISYu	PVC						3010
02PC2-G-XFISYu	XLPE	12	2	0.66	1.52	17.77	283
02PC2-G-YaISYu	PVC						300
04PC2-G-XFISYu	XLPE	12	4	0.66	1.52	20.43	471
04PC2-G-YaISYu	PVC						535
06PC2-G-XFISYu	XLPE	12	6	0.66	1.52	24.10	667
06PC2-G-YaISYu	PVC						755
08PC2-G-XFISYu	XLPE	12	8	0.66	1.78	27.49	888
08PC2-G-YaISYu	PVC						1005
10PC2-G-XFISYu	XLPE	12	10	0.66	1.78	30.97	1086
10PC2-G-YaISYu	PVC						1230
12PC2-G-XFISYu	XLPE	12	12	0.66	1.78	31.99	1263
12PC2-G-YaISYu	PVC						1425
16PC2-G-XFISYu	XLPE	12	16	0.66	2.03	35.92	1669
16PC2-G-YaISYu	PVC						1885
24PC2-G-XFISYu	XLPE	12	24	0.66	2.29	44.70	2475
24PC2-G-YaISYu	PVC						2795
36PC2-G-XFISYu	XLPE	12	36	0.66	2.29	51.02	3552
36PC2-G-YaISYu	PVC						4010

MULTI TRIAD XLPE/PVC WITH INDIVIDUAL AND OVERALL SHIELD CABLE – DIMENSIONS AND WEIGHTS

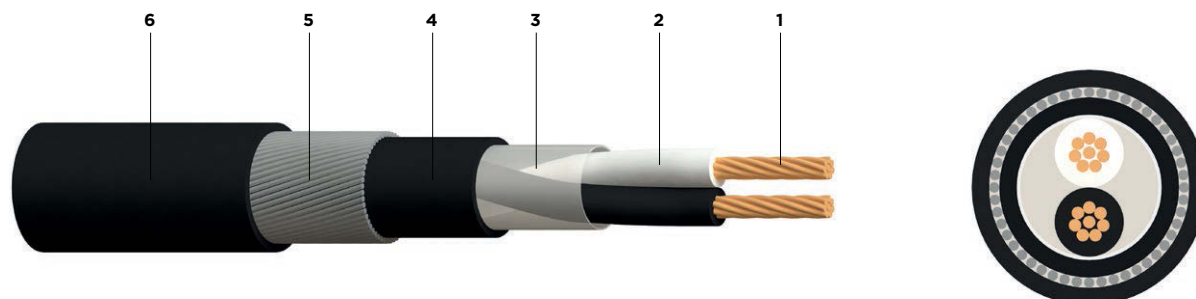
SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-J-XFISYu	XLPE	18	2	0.66	1.27	15.19	172
02TC2-J-YaISYu	PVC						195
04TC2-J-XFISYu	XLPE	18	4	0.66	1.52	17.93	244
04TC2-J-YaISYu	PVC						335
06TC2-J-XFISYu	XLPE	18	6	0.66	1.52	21.00	406
06TC2-J-YaISYu	PVC						465
08TC2-J-XFISYu	XLPE	18	8	0.66	1.52	23.38	512
08TC2-J-YaISYu	PVC						585
10TC2-J-XFISYu	XLPE	18	10	0.66	1.78	26.84	654
10TC2-J-YaISYu	PVC						750
12TC2-J-XFISYu	XLPE	18	12	0.66	1.78	27.69	750
12TC2-J-YaISYu	PVC						860
16TC2-J-XFISYu	XLPE	18	16	0.66	1.78	30.55	952
16TC2-J-YaISYu	PVC						1090
24TC2-J-XFISYu	XLPE	18	24	0.66	2.03	37.95	1410
24TC2-J-YaISYu	PVC						1615
36TC2-J-XFISYu	XLPE	18	36	0.66	2.29	43.79	2046
36TC2-J-YaISYu	PVC						2345

MULTI TRIAD XLPE/PVC WITH INDIVIDUAL AND OVERALL SHIELD CABLE – DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-H-XFISYu	XLPE	16	2	0.66	1.27	16.41	212
02TC2-H-YaISYu	PVC						245
04TC2-H-XFISYu	XLPE	16	4	0.66	1.52	19.41	369
04TC2-H-YaISYu	PVC						430
06TC2-H-XFISYu	XLPE	16	6	0.66	1.52	22.83	516
06TC2-H-YaISYu	PVC						600
08TC2-H-XFISYu	XLPE	16	8	0.66	1.78	26.04	687
08TC2-H-YaISYu	PVC						800
10TC2-H-XFISYu	XLPE	16	10	0.66	1.78	29.29	836
10TC2-H-YaISYu	PVC						975
12TC2-H-XFISYu	XLPE	16	12	0.66	1.78	30.23	965
12TC2-H-YaISYu	PVC						1125
16TC2-H-XFISYu	XLPE	16	16	0.66	1.78	33.42	1234
16TC2-H-YaISYu	PVC						1440
24TC2-H-XFISYu	XLPE	16	24	0.66	2.03	41.61	1832
24TC2-H-YaISYu	PVC						2135
36TC2-H-XFISYu	XLPE	16	36	0.66	2.29	48.07	2672
36TC2-H-YaISYu	PVC						3115
02TC2-I-XFISYu	XLPE	14	2	0.66	1.52	18.47	290
02TC2-I-YaISYu	PVC						335
04TC2-I-XFISYu	XLPE	14	4	0.66	1.52	21.27	481
04TC2-I-YaISYu	PVC						550
06TC2-I-XFISYu	XLPE	14	6	0.66	1.78	25.69	709
06TC2-I-YaISYu	PVC						815
08TC2-I-XFISYu	XLPE	14	8	0.66	1.78	28.70	905
08TC2-I-YaISYu	PVC						1040
10TC2-I-XFISYu	XLPE	14	10	0.66	1.78	32.37	1107
10TC2-I-YaISYu	PVC						1270
12TC2-I-XFISYu	XLPE	14	12	0.66	1.78	33.44	1286
12TC2-I-YaISYu	PVC						1475
16TC2-I-XFISYu	XLPE	14	16	0.66	2.03	37.56	1699
16TC2-I-YaISYu	PVC						1950
24TC2-I-XFISYu	XLPE	14	24	0.66	2.29	46.79	2519
24TC2-I-YaISYu	PVC						2890
36TC2-I-XFISYu	XLPE	14	36	0.66	2.55	54.01	3675
36TC2-I-YaISYu	PVC						4215
02TC2-G-XFISYu	XLPE	12	2	0.66	1.52	20.37	380
02TC2-G-YaISYu	PVC						430
04TC2-G-XFISYu	XLPE	12	4	0.66	1.52	23.57	649
04TC2-G-YaISYu	PVC						730
06TC2-G-XFISYu	XLPE	12	6	0.66	1.78	28.54	960
06TC2-G-YaISYu	PVC						1080
08TC2-G-XFISYu	XLPE	12	8	0.66	1.78	31.97	1235
08TC2-G-YaISYu	PVC						1385
10TC2-G-XFISYu	XLPE	12	10	0.65	2.03	36.69	1558
10TC2-G-YaISYu	PVC						1750
12TC2-G-XFISYu	XLPE	12	12	0.65	2.03	37.91	1815
12TC2-G-YaISYu	PVC						2035
16TC2-G-XFISYu	XLPE	12	16	0.66	2.03	42.02	2345
16TC2-G-YaISYu	PVC						2630
24TC2-G-XFISYu	XLPE	12	24	0.66	2.55	53.04	3549
24TC2-G-YaISYu	PVC						3905
36TC2-G-XFISYu	XLPE	12	36	0.66	2.55	60.66	5111
36TC2-G-YaISYu	PVC						5725

- Note:** 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
2.) Other conductor sizes are available upon request.
3.) Other jacket materials are available upon request.
4.) Standard cutting length 1000m ± 5%. Other lengths are available upon request.

1. **Conductor:** Stranded Plain/Tinned Copper conductor.
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay, applied with polyester wrapping tape.
4. **Inner Jacket:** Poly Vinyl Chloride Flame Retardant.
5. **Armour:** Galvanised Round Steel Wires.
6. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Black).



SINGLE PAIR XLPE/PVC UNSHIELDED – WIRE ARMoured CABLE – DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01PC2-J-XFSWYu	XLPE	18	0.66	0.90	0.90	1.02	12.40	224
01PC2-J-YaSWYu	PVC							235
01PC2-H-XFSWYu	XLPE	16	0.66	1.02	0.90	1.02	13.25	262
01PC2-H-YaSWYu	PVC							275
01PC2-I-XFSWYu	XLPE	14	0.66	1.02	0.90	1.02	14.00	297
01PC2-I-YaSWYu	PVC							310
01PC2-G-XFSWYu	XLPE	12	0.66	1.02	0.90	1.27	15.50	368
01PC2-G-YaSWYu	PVC							390

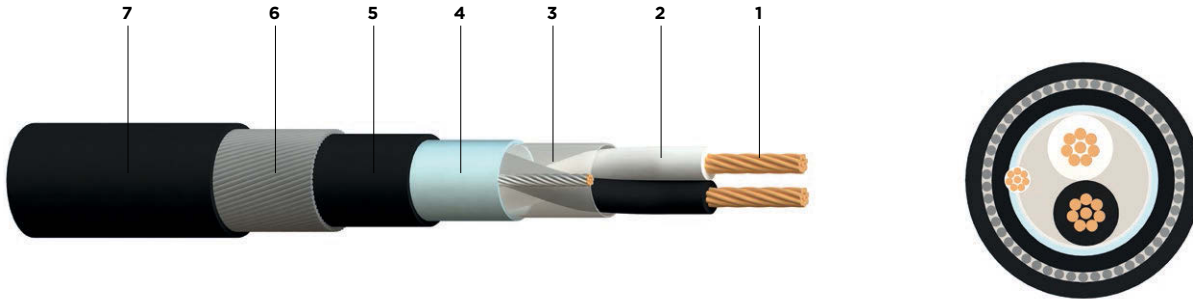
SINGLE TRIAD XLPE/PVC UNSHIELDED – WIRE ARMoured CABLE – DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01TC2-J-XFSWYu	XLPE	18	0.66	1.02	0.90	1.02	13.10	257
01TC2-J-YaSWYu	PVC							270
01TC2-H-XFSWYu	XLPE	16	0.66	1.02	0.90	1.02	13.70	289
01TC2-H-YaSWYu	PVC							305
01TC2-I-XFSWYu	XLPE	14	0.66	1.02	0.90	1.02	15.10	354
01TC2-I-YaSWYu	PVC							375
01TC2-G-XFSWYu	XLPE	12	0.66	1.02	0.90	1.27	16.60	451
01TC2-G-YaSWYu	PVC							470

- Note:** 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 2.) Other conductor sizes are available upon request.
 3.) Dimensions of Galvanised Double Steel Tape Armour are available upon request.
 4.) Other jacket materials are available upon request.
 5.) Standard Cutting length 1000m ± 5%, other lengths are available upon request.

The information given in this leaflet is correct to the best of our knowledge and given in good faith, however the right is reserved to make alterations without prior notice.

1. **Conductor:** Stranded Plain/Tinned Copper conductor.
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay, applied with polyester wrapping tape.
4. **Screening/Shielding :** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
5. **Inner Jacket:** Poly Vinyl Chloride Flame Retardant.
6. **Armour:** Galvanised Round Steel Wires.
7. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Black).



SINGLE PAIR XLPE/PVC SHIELDED – WIRE ARMoured CABLE – DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01PC2-J-XFOSSWYu	XLPE	18	0.66	1.02	0.90	1.02	13.00	250
01PC2-J-YaOSSWYu	PVC							265
01PC2-H-XFOSSWYu	XLPE	16	0.66	1.02	0.90	1.02	13.60	277
01PC2-H-YaOSSWYu	PVC							290
01PC2-I-XFOSSWYu	XLPE	14	0.66	1.02	0.90	1.02	14.40	317
01PC2-I-YaOSSWYu	PVC							335
01PC2-G-XFOSSWYu	XLPE	12	0.66	1.27	0.90	1.27	16.35	412
01PC2-G-YaOSSWYu	PVC							433

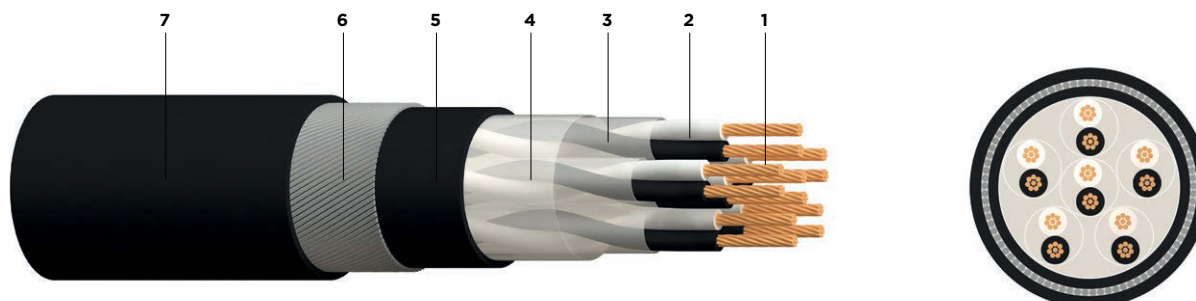
SINGLE TRIAD XLPE/PVC SHIELDED – WIRE ARMoured CABLE – DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01TC2-J-XFOSSWYu	XLPE	18	0.66	1.02	0.90	1.02	13.40	272
01TC2-J-YaOSSWYu	PVC							285
01TC2-H-XFOSSWYu	XLPE	16	0.66	1.02	0.90	1.02	14.10	309
01TC2-H-YaOSSWYu	PVC							320
01TC2-I-XFOSSWYu	XLPE	14	0.66	1.02	0.90	1.27	15.40	370
01TC2-I-YaOSSWYu	PVC							395
01TC2-G-XFOSSWYu	XLPE	12	0.66	1.27	0.90	1.27	16.90	468
01TC2-G-YaOSSWYu	PVC							495

- Note:**
- 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 - 2.) Other conductor sizes are available upon request.
 - 3.) Dimensions of Galvanised Double Steel Tape Armour are available upon request.
 - 4.) Other jacket materials are available upon request.
 - 5.) Standard Cutting length 1000m ± 5%, other lengths are available upon request.

The information given in this leaflet is correct to the best of our knowledge and given in good faith, however the right is reserved to make alterations without prior notice.

1. **Conductor:** Stranded Plain/Tinned Copper conductor.
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay.
4. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers if required) and wrapped with a polyester wrapping tape.
5. **Inner Jacket:** Poly Vinyl Chloride Flame Retardant.
6. **Armour:** Galvanised Round Steel Wires.
7. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Black).



MULTI PAIR XLPE/PVC UNSHIELDED - WIRE ARMOURD CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-J-XSWFYu	XLPE	18	2	0.66	1.27	0.90	1.27	16.90	396
02PC2-J-YaSWYy	PVC	18	2	0.66	1.27	0.90	1.27	16.90	415
04PC2-J-XFSWYy	XLPE	18	4	0.66	1.27	0.90	1.27	18.60	497
04PC2-J-YaSWYy	PVC	18	4	0.66	1.27	0.90	1.27	18.60	525
06PC2-J-XFSWYy	XLPE	18	6	0.66	1.27	1.25	1.27	21.70	719
06PC2-J-YaSWYy	PVC	18	6	0.66	1.27	1.25	1.27	21.70	765
08PC2-J-XFSWYy	XLPE	18	8	0.66	1.52	1.60	1.27	24.80	1003
08PC2-J-YaSWYy	PVC	18	8	0.66	1.52	1.60	1.27	24.80	1040
10PC2-J-XFSWYy	XLPE	18	10	0.66	1.52	1.60	1.27	27.00	1149
10PC2-J-YaSWYy	PVC	18	10	0.66	1.52	1.60	1.27	27.00	1215
12PC2-J-XFSWYy	XLPE	18	12	0.66	1.52	1.60	1.27	27.70	1223
12PC2-J-YaSWYy	PVC	18	12	0.66	1.52	1.60	1.27	27.70	1290
16PC2-J-XFSWYy	XLPE	18	16	0.66	1.78	2.0	1.27	31.25	1666
16PC2-J-YaSWYy	PVC	18	16	0.66	1.78	2.0	1.27	31.25	1755
24PC2-J-XFSWYy	XLPE	18	24	0.66	1.78	2.0	1.27	36.60	2144
24PC2-J-YaSWYy	PVC	18	24	0.66	1.78	2.0	1.27	36.60	2275
36PC2-J-XFSWYy	XLPE	18	36	0.66	2.03	2.50	1.27	42.20	2740
36PC2-J-YaSWYy	PVC	18	36	0.66	2.03	2.50	1.27	42.20	2900

The information given in this leaflet is correct to the best of our knowledge and given in good faith, however the right is reserved to make alterations without prior notice.

MULTI PAIR XLPE/PVC UNSHIELDED – WIRE ARMoured CABLE – DIMENSIONS AND WEIGHTS (CONTINUATION)

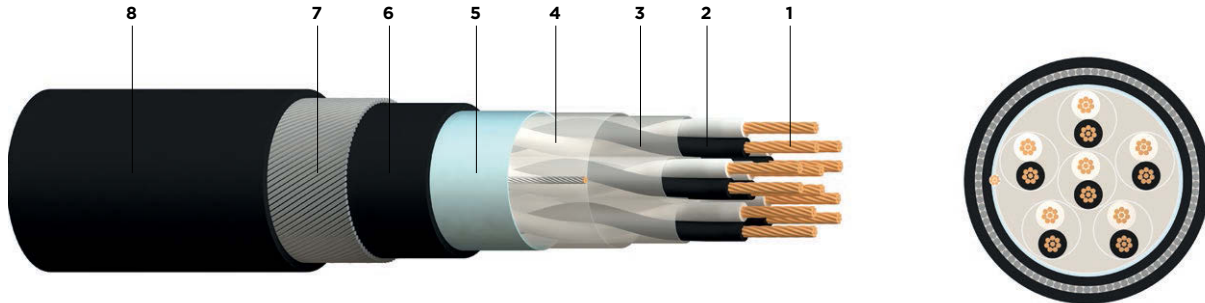
SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-H-XFSWYu	XLPE	16	2	0.66	1.27	0.90	1.27	17.90	444
02PC2-H-YaSWYu	PVC								470
04PC2-H-XFSWYu	XLPE	16	4	0.66	1.27	1.25	1.27	20.50	666
04PC2-H-YaSWYu	PVC								700
06PC2-H-XFSWYu	XLPE	16	6	0.66	1.52	1.25	1.27	23.70	875
06PC2-H-YaSWYu	PVC								920
08PC2-H-XFSWYu	XLPE	16	8	0.66	1.52	1.60	1.27	26.50	1158
08PC2-H-YaSWYu	PVC								1220
10PC2-H-XFSWYu	XLPE	16	10	0.66	1.52	1.60	1.27	29.00	1362
10PC2-H-YaSWYu	PVC								1420
12PC2-H-XFSWYu	XLPE	16	12	0.66	1.78	2.0	1.27	31.10	1450
12PC2-H-YaSWYu	PVC								1520
16PC2-H-XFSWYu	XLPE	16	16	0.66	1.78	2.0	1.27	33.60	1942
16PC2-H-YaSWYu	PVC								2050
24PC2-H-XFSWYu	XLPE	16	24	0.66	1.78	2.50	1.52	40.50	2555
24PC2-H-YaSWYu	PVC								2610
36PC2-H-XFSWYu	XLPE	16	36	0.66	2.03	2.50	1.52	46.17	3355
36PC2-H-YaSWYu	PVC								3560
02PC2-I-XFSWYu	XLPE	14	2	0.66	1.27	1.25	1.27	19.83	611
02PC2-I-YaSWYu	PVC								630
04PC2-I-XFSWYu	XLPE	14	4	0.66	1.27	1.25	1.27	22.0	790
04PC2-I-YaSWYu	PVC								830
06PC2-I-XFSWYu	XLPE	14	6	0.66	1.52	1.60	1.27	26.30	1183
06PC2-I-YaSWYu	PVC								1225
08PC2-I-XFSWYu	XLPE	14	8	0.66	1.52	1.60	1.27	28.62	1383
08PC2-I-YaSWYu	PVC								1455
10PC2-I-XFSWYu	XLPE	14	10	0.66	1.52	2.0	1.27	32.84	1859
10PC2-I-YaSWYu	PVC								1945
12PC2-I-XFSWYu	XLPE	14	12	0.66	1.78	2.0	1.27	33.70	2024
12PC2-I-YaSWYu	PVC								2100
16PC2-I-XFSWYu	XLPE	14	16	0.66	1.78	2.0	1.27	36.50	2372
16PC2-I-YaSWYu	PVC								2500
24PC2-I-XFSWYu	XLPE	14	24	0.66	1.78	2.5	1.52	45.30	3455
24PC2-I-YaSWYu	PVC								3611
36PC2-I-XFSWYu	XLPE	14	36	0.66	2.03	2.5	1.52	50.50	4410
36PC2-I-YaSWYu	PVC								4590
02PC2-G-XFSWYu	XLPE	12	2	0.66	1.27	1.25	1.27	21.35	710
02PC2-G-YaSWYu	PVC								745
04PC2-G-XFSWYu	XLPE	12	4	0.66	1.52	1.60	1.27	25.12	1115
04PC2-G-YaSWYu	PVC								1170
06PC2-G-XFSWYu	XLPE	12	6	0.66	1.52	1.60	1.27	28.60	1428
06PC2-G-YaSWYu	PVC								1510
08PC2-G-XFSWYu	XLPE	12	8	0.66	1.78	2.0	1.27	32.63	1951
08PC2-G-YaSWYu	PVC								2040
10PC2-G-XFSWYu	XLPE	12	10	0.66	1.78	2.0	1.27	35.92	2279
10PC2-G-YaSWYu	PVC								2385
12PC2-G-XFSWYu	XLPE	12	12	0.66	1.78	2.0	1.27	36.90	2495
12PC2-G-YaSWYu	PVC								2590
16PC2-G-XFSWYu	XLPE	12	16	0.66	2.03	2.50	1.27	41.63	3040
16PC2-G-YaSWYu	PVC								3180
24PC2-G-XFSWYu	XLPE	12	24	0.66	2.03	2.50	1.52	49.95	4145
24PC2-G-YaSWYu	PVC								4315
36PC2-G-XFSWYu	XLPE	12	36	0.66	2.29	2.50	1.52	56.47	5505
36PC2-G-YaSWYu	PVC								5710

MULTI TRIAD XLPE/PVC UNSHIELDED - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-J-XSWFYu	XLPE	18	2	0.66	1.27	0.90	1.27	18.10	456
02TC2-J-YaSWYU	PVC								485
04TC2-J-XFSWYU	XLPE	18	4	0.66	1.27	1.25	1.27	20.77	687
04TC2-J-YaSWYU	PVC								730
06TC2-J-XFSWYU	XLPE	18	6	0.66	1.52	1.60	1.27	24.72	1027
06TC2-J-YaSWYU	PVC								1070
08TC2-J-XFSWYU	XLPE	18	8	0.66	1.52	1.60	1.27	26.84	1195
08TC2-J-YaSWYU	PVC								1250
10TC2-J-XFSWYU	XLPE	18	10	0.66	1.52	1.60	1.27	29.42	1384
10TC2-J-YaSWYU	PVC								1475
12TC2-J-XFSWYU	XLPE	18	12	0.66	1.78	2.0	1.27	31.52	1719
12TC2-J-YaSWYU	PVC								1825
16TC2-J-XFSWYU	XLPE	18	16	0.66	1.78	2.0	1.27	34.06	2005
16TC2-J-YaSWYU	PVC								2140
24TC2-J-XFSWYU	XLPE	18	24	0.66	2.03	2.50	1.27	41.70	3005
24TC2-J-YaSWYU	PVC								2880
36TC2-J-XFSWYU	XLPE	18	36	0.66	2.03	2.50	1.52	46.95	3814
36TC2-J-YaSWYU	PVC								3750
02TC2-H-XFSWYU	XLPE	16	2	0.66	1.27	1.25	1.27	19.93	614
02TC2-H-YaSWYU	PVC								660
04TC2-H-XFSWYU	XLPE	16	4	0.66	1.52	1.25	1.27	22.67	841
04TC2-H-YaSWYU	PVC								896
06TC2-H-XFSWYU	XLPE	16	6	0.66	1.52	1.60	1.27	26.42	1192
06TC2-H-YaSWYU	PVC								1280
08TC2-H-XFSWYU	XLPE	16	8	0.66	1.52	1.60	1.27	28.80	1410
08TC2-H-YaSWYU	PVC								1490
10TC2-H-XFSWYU	XLPE	16	10	0.66	1.78	2.0	1.27	33.03	1899
10TC2-H-YaSWYU	PVC								1980
12TC2-H-XFSWYU	XLPE	16	12	0.66	1.78	2.0	1.27	33.88	2041
12TC2-H-YaSWYU	PVC								2160
16TC2-H-XFSWYU	XLPE	16	16	0.66	1.78	2.0	1.27	36.72	2410
16TC2-H-YaSWYU	PVC								2545
24TC2-H-XFSWYU	XLPE	16	24	0.66	2.03	2.50	1.52	45.61	3345
24TC2-H-YaSWYU	PVC								3550
36TC2-H-XFSWYU	XLPE	16	36	0.66	2.29	2.50	1.52	51.41	4255
36TC2-H-YaSWYU	PVC								4565
02TC2-I-XFSWYU	XLPE	14	2	0.66	1.27	1.25	1.27	21.35	711
02TC2-I-YaSWYU	PVC								745
04TC2-I-XFSWYU	XLPE	14	4	0.66	1.52	1.60	1.27	25.10	1118
04TC2-I-YaSWYU	PVC								1175
06TC2-I-XFSWYU	XLPE	14	6	0.66	1.52	1.60	1.27	28.56	1450
06TC2-I-YaSWYU	PVC								1510
08TC2-I-XFSWYU	XLPE	14	8	0.66	1.78	2.0	1.27	32.60	1975
08TC2-I-YaSWYU	PVC								2055
10TC2-I-XFSWYU	XLPE	14	10	0.66	1.78	2.0	1.27	35.89	2305
10TC2-I-YaSWYU	PVC								2410
12TC2-I-XFSWYU	XLPE	14	12	0.66	1.78	2.0	1.27	36.84	2495
12TC2-I-YaSWYU	PVC								2620
16TC2-I-XFSWYU	XLPE	14	16	0.66	2.03	2.50	1.27	41.59	3050
16TC2-I-YaSWYU	PVC								3215
24TC2-I-XFSWYU	XLPE	14	24	0.66	2.03	2.50	1.52	49.90	4155
24TC2-I-YaSWYU	PVC								4405
36TC2-I-XFSWYU	XLPE	14	36	0.66	2.29	2.50	1.52	56.41	5948
36TC2-I-YaSWYU	PVC								5865
02TC2-G-XFSWYU	XLPE	12	2	0.66	1.52	1.25	1.27	23.64	892
02TC2-G-YaSWYU	PVC								935
04TC2-G-XFSWYU	XLPE	12	4	0.66	1.52	1.60	1.27	27.22	1361
04TC2-G-YaSWYU	PVC								1425
06TC2-G-XFSWYU	XLPE	12	6	0.66	1.78	2.0	1.27	32.55	2025
06TC2-G-YaSWYU	PVC								2115
08TC2-G-XFSWYU	XLPE	12	8	0.66	1.78	2.0	1.27	35.63	2426
08TC2-G-YaSWYU	PVC								2515
10TC2-G-XFSWYU	XLPE	12	10	0.66	1.78	2.50	1.27	40.40	2855
10TC2-G-YaSWYU	PVC								2975
12TC2-G-XFSWYU	XLPE	12	12	0.66	2.03	2.50	1.27	42.02	3225
12TC2-G-YaSWYU	PVC								3370
16TC2-G-XFSWYU	XLPE	12	16	0.66	2.03	2.50	1.52	46.25	3950
16TC2-G-YaSWYU	PVC								4140
24TC2-G-XFSWYU	XLPE	12	24	0.66	2.29	2.50	1.52	55.70	5440
24TC2-G-YaSWYU	PVC								5730
36TC2-G-XFSWYU	XLPE	12	36	0.66	2.55	2.50	1.90	63.90	7440
36TC2-G-YaSWYU	PVC								7875

- Note: 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 2.) Other conductor sizes are available upon request.
 3.) Dimensions of Galvanised Double Steel Tape Armour are available upon request.
 4.) Other jacket materials are available upon request.
 5.) Standard Cutting length 1000m ± 5%, other lengths are available upon request.

1. **Conductor:** Stranded Plain/Tinned Copper conductor.
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay.
4. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
5. **Overall Screening:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
6. **Inner Jacket:** Poly Vinyl Chloride Flame Retardant.
7. **Armour:** Galvanised Round Steel Wires.
8. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Black).



MULTI PAIR XLPE/PVC UNSHIELDED WITH OVERALL SHIELD - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-J-XFOSSWYu	XLPE	18	2	0.66	1.27	0.9	1.27	17.26	412
02PC2-J-YaOSSWYu	PVC								440
04PC2-J-XFOSSWYu	XLPE	18	4	0.66	1.27	1.25	1.27	19.68	601
04PC2-J-YaOSSWYu	PVC								640
06PC2-J-XFOSSWYu	XLPE	18	6	0.66	1.52	1.25	1.27	22.59	755
06PC2-J-YaOSSWYu	PVC								785
08PC2-J-XFOSSWYu	XLPE	18	8	0.66	1.52	1.60	1.27	25.14	1017
08PC2-J-YaOSSWYu	PVC								1075
10PC2-J-XFOSSWYu	XLPE	18	10	0.66	1.52	1.60	1.27	27.39	1179
10PC2-J-YaOSSWYu	PVC								1255
12PC2-J-XFOSSWYu	XLPE	18	12	0.66	1.52	1.60	1.27	28.05	1252
12PC2-J-YaOSSWYu	PVC								1330
16PC2-J-XFOSSWYu	XLPE	18	16	0.66	1.78	2.0	1.27	31.61	1681
16PC2-J-YaOSSWYu	PVC								1780
24PC2-J-XFOSSWYu	XLPE	18	24	0.66	1.78	2.0	1.27	36.94	2180
24PC2-J-YaOSSWYu	PVC								2300
36PC2-J-XFOSSWYu	XLPE	18	36	0.66	2.03	2.50	1.52	43.09	3122
36PC2-J-YaOSSWYu	PVC								3325
02PC2-H-XFOSSWYu	XLPE	16	2	0.66	1.27	0.90	1.27	18.24	460
02PC2-H-YaOSSWYu	PVC								485
04PC2-H-XFOSSWYu	XLPE	16	4	0.66	1.27	1.25	1.27	20.87	688
04PC2-H-YaOSSWYu	PVC								725
06PC2-H-XFOSSWYu	XLPE	16	6	0.66	1.52	1.60	1.27	24.77	1024
06PC2-H-YaOSSWYu	PVC								1060
08PC2-H-XFOSSWYu	XLPE	16	8	0.66	1.52	1.60	1.27	26.83	1187
08PC2-H-YaOSSWYu	PVC								1235
10PC2-H-XFOSSWYu	XLPE	16	10	0.66	1.52	1.60	1.27	29.36	1373
10PC2-H-YaOSSWYu	PVC								1435
12PC2-H-XFOSSWYu	XLPE	16	12	0.66	1.78	2.0	1.27	31.44	1704
12PC2-H-YaOSSWYu	PVC								1795
16PC2-H-XFOSSWYu	XLPE	16	16	0.66	1.78	2.0	1.27	33.92	1982
16PC2-H-YaOSSWYu	PVC								2095
24PC2-H-XFOSSWYu	XLPE	16	24	0.66	2.03	2.50	1.27	41.41	2900
24PC2-H-YaOSSWYu	PVC								3040
36PC2-H-XFOSSWYu	XLPE	16	36	0.66	2.03	2.50	1.52	46.53	3749
36PC2-H-YaOSSWYu	PVC								3945

The information given in this leaflet is correct to the best of our knowledge and given in good faith, however the right is reserved to make alterations without prior notice.

MULTI PAIR XLPE/PVC UNSHIELDED WITH OVERALL SHIELD – WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-I-XFOSSWYu	XLPE	14	2	0.66	1.27	1.25	1.27	20.19	623
02PC2-I-YaOSSWYu	PVC								655
04PC2-I-XFOSSWYu	XLPE	14	4	0.66	1.52	1.25	1.27	22.91	847
04PC2-I-YaOSSWYu	PVC								895
06PC2-I-XFOSSWYu	XLPE	14	6	0.66	1.52	1.60	1.27	26.64	1197
06PC2-I-YaOSSWYu	PVC								1260
08PC2-I-XFOSSWYu	XLPE	14	8	0.66	1.52	1.60	1.27	28.98	1413
08PC2-I-YaOSSWYu	PVC								1490
10PC2-I-XFOSSWYu	XLPE	14	10	0.66	1.78	2.0	1.27	33.20	1900
10PC2-I-YaOSSWYu	PVC								1990
12PC2-I-XFOSSWYu	XLPE	14	12	0.66	1.78	2.0	1.27	34.04	2040
12PC2-I-YaOSSWYu	PVC								2150
16PC2-I-XFOSSWYu	XLPE	14	16	0.66	1.78	2.0	1.27	36.85	2414
16PC2-I-YaOSSWYu	PVC								2520
24PC2-I-XFOSSWYu	XLPE	14	24	0.66	2.03	2.50	1.52	45.68	3668
24PC2-I-YaOSSWYu	PVC								3825
36PC2-I-XFOSSWYu	XLPE	14	36	0.66	2.29	2.50	1.52	51.44	4713
36PC2-I-YaOSSWYu	PVC								4880
02PC2-G-XFOSSWYu	XLPE	12	2	0.66	1.27	1.25	1.27	21.73	731
02PC2-G-YaOSSWYu	PVC								775
04PC2-G-XFOSSWYu	XLPE	12	4	0.66	1.52	1.60	1.27	25.48	1145
04PC2-G-YaOSSWYu	PVC								1195
06PC2-G-XFOSSWYu	XLPE	12	6	0.66	1.52	1.60	1.27	28.95	1459
06PC2-G-YaOSSWYu	PVC								1530
08PC2-G-XFOSSWYu	XLPE	12	8	0.66	1.78	2.0	1.27	31.99	1967
08PC2-G-YaOSSWYu	PVC								2055
10PC2-G-XFOSSWYu	XLPE	12	10	0.66	1.78	2.0	1.27	33.10	2320
10PC2-G-YaOSSWYu	PVC								2400
12PC2-G-XFOSSWYu	XLPE	12	12	0.66	1.78	2.0	1.27	37.24	2512
12PC2-G-YaOSSWYu	PVC								2635
16PC2-G-XFOSSWYu	XLPE	12	16	0.66	2.03	2.50	1.27	42.00	3390
16PC2-G-YaOSSWYu	PVC								3545
24PC2-G-XFOSSWYu	XLPE	12	24	0.66	2.03	2.50	1.52	46.60	4579
24PC2-G-YaOSSWYu	PVC								4765
36PC2-G-XFOSSWYu	XLPE	12	36	0.66	2.29	2.50	1.52	53.10	5979
36PC2-G-YaOSSWYu	PVC								6260

MULTI TRIAD XLPE/PVC UNSHIELDED WITH OVERALL SHIELD- WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

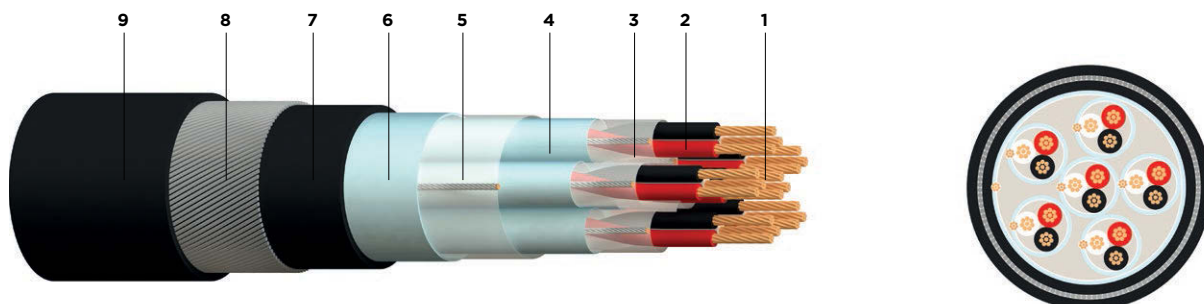
SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-J-XFOSSWYu	XLPE	18	2	0.66	1.27	0.90	1.27	18.46	472
02TC2-J-YaOSSWYu	PVC								500
04TC2-J-XFOSSWYu	XLPE	18	4	0.66	1.27	1.25	1.27	21.13	709
04TC2-J-YaOSSWYu	PVC								755
06TC2-J-XFOSSWYu	XLPE	18	6	0.66	1.52	1.60	1.27	25.08	1040
06TC2-J-YaOSSWYu	PVC								1100
08TC2-J-XFOSSWYu	XLPE	18	8	0.66	1.52	1.60	1.27	27.20	1208
08TC2-J-YaOSSWYu	PVC								1285
10TC2-J-XFOSSWYu	XLPE	18	10	0.66	1.78	2.0	1.27	31.13	1470
10TC2-J-YaOSSWYu	PVC								1545
12TC2-J-XFOSSWYu	XLPE	18	12	0.66	1.78	2.0	1.27	31.90	1770
12TC2-J-YaOSSWYu	PVC								1865
16TC2-J-XFOSSWYu	XLPE	18	16	0.66	1.78	2.0	1.27	34.42	2046
16TC2-J-YaOSSWYu	PVC								2155
24TC2-J-XFOSSWYu	XLPE	18	24	0.66	2.03	2.50	1.27	38.90	3061
24TC2-J-YaOSSWYu	PVC								3255
36TC2-J-XFOSSWYu	XLPE	18	36	0.66	2.03	2.50	1.52	47.28	3872
36TC2-J-YaOSSWYu	PVC								4120

MULTI TRIAD XLPE/PVC UNSHIELDED WITH OVERALL SHIELD- WIRE ARMoured CABLE – DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-H-XFOSSWYu	XLPE	16	2	0.66	1.27	1.25	1.27	17.10	635
02TC2-H-YaOSSWYu	PVC								670
04TC2-H-XFOSSWYu	XLPE	16	4	0.66	1.52	1.25	1.27	23.03	863
04TC2-H-YaOSSWYu	PVC								905
06TC2-H-XFOSSWYu	XLPE	16	6	0.66	1.52	1.60	1.27	26.78	1221
06TC2-H-YaOSSWYu	PVC								1278
08TC2-H-XFOSSWYu	XLPE	16	8	0.66	1.52	1.60	1.27	29.15	1424
08TC2-H-YaOSSWYu	PVC								1515
10TC2-H-XFOSSWYu	XLPE	16	10	0.66	1.78	2.0	1.27	33.29	1914
10TC2-H-YaOSSWYu	PVC								2020
12TC2-H-XFOSSWYu	XLPE	16	12	0.66	1.78	2.0	1.27	34.24	2057
12TC2-H-YaOSSWYu	PVC								2180
16TC2-H-XFOSSWYu	XLPE	16	16	0.66	1.78	2.0	1.27	37.08	2435
16TC2-H-YaOSSWYu	PVC								2590
24TC2-H-XFOSSWYu	XLPE	16	24	0.66	2.03	2.50	1.52	45.97	3700
24TC2-H-YaOSSWYu	PVC								3930
36TC2-H-XFOSSWYu	XLPE	16	36	0.66	2.29	2.50	1.52	51.77	4759
36TC2-H-YaOSSWYu	PVC								5090
02TC2-I-XFOSSWYu	XLPE	14	2	0.66	1.27	1.25	1.27	21.71	732
02TC2-I-YaOSSWYu	PVC								775
04TC2-I-XFOSSWYu	XLPE	14	4	0.66	1.52	1.60	1.27	25.45	1148
04TC2-I-YaOSSWYu	PVC								1210
06TC2-I-XFOSSWYu	XLPE	14	6	0.66	1.52	1.60	1.27	28.92	1463
06TC2-I-YaOSSWYu	PVC								1545
08TC2-I-XFOSSWYu	XLPE	14	8	0.66	1.78	2.0	1.27	32.96	1973
08TC2-I-YaOSSWYu	PVC								2075
10TC2-I-XFOSSWYu	XLPE	14	10	0.66	1.78	2.0	1.27	36.25	2328
10TC2-I-YaOSSWYu	PVC								2425
12TC2-I-XFOSSWYu	XLPE	14	12	0.66	1.78	2.0	1.27	37.20	2521
12TC2-I-YaOSSWYu	PVC								2665
16TC2-I-XFOSSWYu	XLPE	14	16	0.66	2.03	2.50	1.27	41.95	3403
16TC2-I-YaOSSWYu	PVC								3545
24TC2-I-XFOSSWYu	XLPE	14	24	0.66	2.03	2.50	1.52	50.25	4559
24TC2-I-YaOSSWYu	PVC								4830
36TC2-I-XFOSSWYu	XLPE	14	36	0.66	2.29	2.50	1.52	56.77	6009
36TC2-I-YaOSSWYu	PVC								6350
02TC2-G-XFOSSWYu	XLPE	12	2	0.66	1.52	1.60	1.27	24.70	1041
02TC2-G-YaOSSWYu	PVC								1075
04TC2-G-XFOSSWYu	XLPE	12	4	0.66	1.52	1.60	1.27	27.58	1391
04TC2-G-YaOSSWYu	PVC								1460
06TC2-G-XFOSSWYu	XLPE	12	6	0.66	1.78	2.0	1.27	32.91	2041
06TC2-G-YaOSSWYu	PVC								2135
08TC2-G-XFOSSWYu	XLPE	12	8	0.66	1.78	2.0	1.27	35.99	2442
08TC2-G-YaOSSWYu	PVC								2565
10TC2-G-XFOSSWYu	XLPE	12	10	0.66	1.78	2.50	1.27	40.76	3177
10TC2-G-YaOSSWYu	PVC								3320
12TC2-G-XFOSSWYu	XLPE	12	12	0.66	2.03	2.50	1.52	42.91	3599
12TC2-G-YaOSSWYu	PVC								3715
16TC2-G-XFOSSWYu	XLPE	12	16	0.66	2.03	2.50	1.52	46.61	4315
16TC2-G-YaOSSWYu	PVC								4540
24TC2-G-XFOSSWYu	XLPE	12	24	0.66	2.29	2.50	1.52	56.06	5925
24TC2-G-YaOSSWYu	PVC								6245
36TC2-G-XFOSSWYu	XLPE	12	36	0.66	2.55	2.50	1.90	64.27	7972
36TC2-G-YaOSSWYu	PVC								8445

- Note:** 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 2.) Other conductor sizes and Pair/Triad counts are available upon request.
 3.) Dimensions of cables with Galvanised Double Steel Tape Armour are available upon request.
 4.) Other jacket materials are available upon request.
 5.) Standard Cutting length 1000m ± 5%, other lengths are available upon request.

1. **Conductor:** Stranded Plain/Tinned Copper conductor.
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay.
4. **Individual Screening/Shield:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
5. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
6. **Overall Screening:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
7. **Inner Jacket:** Poly Vinyl Chloride Flame Retardant.
8. **Armour:** Galvanised Round Steel Wires.
9. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Black).



MULTI PAIR XLPE/PVC WITH INDIVIDUAL AND OVERALL SHIELD - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-J-XFISSWYu	XLPE	18	2	0.66	1.27	0.90	1.27	17.85	445
02PC2-J-YaISSWYu	PVC	18	2	0.66	1.27	0.90	1.27	17.85	465
04PC2-J-XFISSWYu	XLPE	18	4	0.66	1.27	1.25	1.27	20.39	660
04PC2-J-YaISSWYu	PVC	18	4	0.66	1.27	1.25	1.27	20.39	695
06PC2-J-XFISSWYu	XLPE	18	6	0.66	1.52	1.25	1.27	23.47	863
06PC2-J-YaISSWYu	PVC	18	6	0.66	1.52	1.25	1.27	23.47	895
08PC2-J-XFISSWYu	XLPE	18	8	0.66	1.52	1.60	1.27	26.15	1124
08PC2-J-YaISSWYu	PVC	18	8	0.66	1.52	1.60	1.27	26.15	1180
10PC2-J-XFISSWYu	XLPE	18	10	0.66	1.52	1.60	1.27	28.57	1303
10PC2-J-YaISSWYu	PVC	18	10	0.66	1.52	1.60	1.27	28.57	1370
12PC2-J-XFISSWYu	XLPE	18	12	0.66	1.52	1.60	1.27	29.27	1409
12PC2-J-YaISSWYu	PVC	18	12	0.66	1.52	1.60	1.27	29.27	1470
16PC2-J-XFISSWYu	XLPE	18	16	0.66	1.78	2.0	1.27	32.09	1874
16PC2-J-YaISSWYu	PVC	18	16	0.66	1.78	2.0	1.27	32.09	1970
24PC2-J-XFISSWYu	XLPE	18	24	0.66	1.78	2.50	1.27	39.70	2755
24PC2-J-YaISSWYu	PVC	18	24	0.66	1.78	2.50	1.27	39.70	2580
36PC2-J-XFISSWYu	XLPE	18	36	0.66	2.03	2.50	1.52	45.15	3549
36PC2-J-YaISSWYu	PVC	18	36	0.66	2.03	2.50	1.52	45.15	3840

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MULTI PAIR XLPE/PVC WITH INDIVIDUAL AND OVERALL SHIELD – WIRE ARMoured CABLE – DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-H-XFISSWYu	XLPE	16	2	0.66	1.27	1.25	1.27	19.56	580
02PC2-H-YaISSWYu	PVC								620
04PC2-H-XFISSWYu	XLPE	16	4	0.66	1.27	1.25	1.27	21.61	747
04PC2-H-YaISSWYu	PVC								800
06PC2-H-XFISSWYu	XLPE	16	6	0.66	1.52	1.60	1.27	25.68	1099
06PC2-H-YaISSWYu	PVC								1170
08PC2-H-XFISSWYu	XLPE	16	8	0.66	1.52	1.60	1.27	27.89	1295
08PC2-H-YaISSWYu	PVC								1385
10PC2-H-XFISSWYu	XLPE	16	10	0.66	1.78	1.60	1.27	31.93	1743
10PC2-H-YaISSWYu	PVC								1855
12PC2-H-XFISSWYu	XLPE	16	12	0.66	1.78	2.0	1.27	32.72	1865
12PC2-H-YaISSWYu	PVC								1995
16PC2-H-XFISSWYu	XLPE	16	16	0.66	1.78	2.0	1.27	35.36	2176
16PC2-H-YaISSWYu	PVC								2340
24PC2-H-XFISSWYu	XLPE	16	24	0.66	2.03	2.0	1.52	43.78	3308
24PC2-H-YaISSWYu	PVC								3555
36PC2-H-XFISSWYu	XLPE	16	36	0.66	2.03	2.50	1.52	48.68	4140
36PC2-H-YaISSWYu	PVC								4490
02PC2-I-XFISSWYu	XLPE	14	2	0.66	1.27	1.25	1.27	20.83	687
02PC2-I-YaISSWYu	PVC								705
04PC2-I-XFISSWYu	XLPE	14	4	0.66	1.52	1.25	1.27	23.69	911
04PC2-I-YaISSWYu	PVC								970
06PC2-I-XFISSWYu	XLPE	14	6	0.66	1.52	1.60	1.27	24.40	1292
06PC2-I-YaISSWYu	PVC								1375
08PC2-I-XFISSWYu	XLPE	14	8	0.66	1.78	2.0	1.27	31.40	1760
08PC2-I-YaISSWYu	PVC								1865
10PC2-I-XFISSWYu	XLPE	14	10	0.66	1.78	2.0	1.27	34.49	2052
10PC2-I-YaISSWYu	PVC								2175
12PC2-I-XFISSWYu	XLPE	14	12	0.66	1.78	2.0	1.27	35.37	2209
12PC2-I-YaISSWYu	PVC								2350
16PC2-I-XFISSWYu	XLPE	14	16	0.66	1.78	2.0	1.27	38.36	2619
16PC2-I-YaISSWYu	PVC								2800
24PC2-I-XFISSWYu	XLPE	14	24	0.66	2.03	2.50	1.52	47.61	3979
24PC2-I-YaISSWYu	PVC								4250
36PC2-I-XFISSWYu	XLPE	14	36	0.66	2.29	2.50	1.52	53.69	5169
36PC2-I-YaISSWYu	PVC								5520
02PC2-G-XFISSWYu	XLPE	12	2	0.66	1.52	1.25	1.27	22.94	811
02PC2-G-YaISSWYu	PVC								850
04PC2-G-XFISSWYu	XLPE	12	4	0.66	1.52	1.60	1.27	26.30	1221
04PC2-G-YaISSWYu	PVC								1285
06PC2-G-XFISSWYu	XLPE	12	6	0.66	1.78	2.0	1.27	31.32	1788
06PC2-G-YaISSWYu	PVC								1880
08PC2-G-XFISSWYu	XLPE	12	8	0.66	1.78	2.0	1.27	34.16	2101
08PC2-G-YaISSWYu	PVC								2215
10PC2-G-XFISSWYu	XLPE	12	10	0.66	1.78	2.0	1.27	37.64	2473
10PC2-G-YaISSWYu	PVC								2610
12PC2-G-XFISSWYu	XLPE	12	12	0.66	1.78	2.0	1.27	38.66	2683
12PC2-G-YaISSWYu	PVC								2840
16PC2-G-XFISSWYu	XLPE	12	16	0.66	2.03	2.50	1.52	40.40	3678
16PC2-G-YaISSWYu	PVC								3895
24PC2-G-XFISSWYu	XLPE	12	24	0.66	2.29	2.50	1.52	49.20	4996
24PC2-G-YaISSWYu	PVC								5300
36PC2-G-XFISSWYu	XLPE	12	36	0.66	2.29	2.50	1.52	59.21	6438
36PC2-G-YaISSWYu	PVC								6840

MULTI TRIAD XLPE/PVC WITH INDIVIDUAL AND OVERALL SHIELD – WIRE ARMoured CABLE – DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-J-XFISSWYu	XLPE	18	2	0.66	1.27	1.25	1.27	20.35	620
02TC2-J-YaISSWYu	PVC								650
04TC2-J-XFISSWYu	XLPE	18	4	0.66	1.52	1.25	1.27	23.10	832
04TC2-J-YaISSWYu	PVC								875
06TC2-J-XFISSWYu	XLPE	18	6	0.66	1.52	1.60	1.27	26.87	1176
06TC2-J-YaISSWYu	PVC								1235
08TC2-J-XFISSWYu	XLPE	18	8	0.66	1.52	1.60	1.27	29.25	1363
08TC2-J-YaISSWYu	PVC								1440
10TC2-J-XFISSWYu	XLPE	18	10	0.66	1.78	2.0	1.27	33.51	1838
10TC2-J-YaISSWYu	PVC								1930
12TC2-J-XFISSWYu	XLPE	18	12	0.66	1.78	2.0	1.27	34.36	1989
12TC2-J-YaISSWYu	PVC								2070
16TC2-J-XFISSWYu	XLPE	18	16	0.66	1.78	2.0	1.27	37.22	2312
16TC2-J-YaISSWYu	PVC								2445
24TC2-J-XFISSWYu	XLPE	18	24	0.66	2.03	2.50	1.52	46.15	3575
24TC2-J-YaISSWYu	PVC								3720
36TC2-J-XFISSWYu	XLPE	18	36	0.66	2.29	2.50	1.52	51.98	4519
36TC2-J-YaISSWYu	PVC								4770
02TC2-H-XFISSWYu	XLPE	16	2	0.66	1.27	1.25	1.27	21.57	698
02TC2-H-YaISSWYu	PVC								740
04TC2-H-XFISSWYu	XLPE	16	4	0.66	1.52	1.60	1.27	25.28	1080
04TC2-H-YaISSWYu	PVC								1125
06TC2-H-XFISSWYu	XLPE	16	6	0.66	1.52	1.60	1.27	28.70	1347
06TC2-H-YaISSWYu	PVC								1435
08TC2-H-XFISSWYu	XLPE	16	8	0.66	1.78	2.0	1.27	32.71	1839
08TC2-H-YaISSWYu	PVC								1950
10TC2-H-XFISSWYu	XLPE	16	10	0.66	1.78	2.0	1.27	35.96	2137
10TC2-H-YaISSWYu	PVC								2270
12TC2-H-XFISSWYu	XLPE	16	12	0.66	1.78	2.0	1.27	36.90	2322
12TC2-H-YaISSWYu	PVC								2450
16TC2-H-XFISSWYu	XLPE	16	16	0.66	2.03	2.50	1.27	41.61	3100
16TC2-H-YaISSWYu	PVC								3300
24TC2-H-XFISSWYu	XLPE	16	24	0.66	2.03	2.50	1.52	49.81	4162
24TC2-H-YaISSWYu	PVC								4460
36TC2-H-XFISSWYu	XLPE	16	36	0.66	2.29	2.50	1.52	56.26	5377
36TC2-H-YaISSWYu	PVC								5805
02TC2-I-XFOISSWYu	XLPE	14	2	0.66	1.52	1.25	1.27	23.64	843
02TC2-I-YaISSWYu	PVC								890
04TC2-I-XFISSWYu	XLPE	14	4	0.66	1.52	1.60	1.27	27.14	1253
04TC2-I-YaISSWYu	PVC								1325
06TC2-I-XFISSWYu	XLPE	14	6	0.66	1.78	2.0	1.27	32.36	1835
06TC2-I-YaISSWYu	PVC								1940
08TC2-I-XFISSWYu	XLPE	14	8	0.66	1.78	2.0	1.27	35.38	2177
08TC2-I-YaISSWYu	PVC								2300
10TC2-I-XFISSWYu	XLPE	14	10	0.66	1.78	2.50	1.27	40.04	2839
10TC2-I-YaISSWYu	PVC								2710
12TC2-I-XFISSWYu	XLPE	14	12	0.66	2.03	2.50	1.27	41.63	3152
12TC2-I-YaISSWYu	PVC								3335
16TC2-I-XFISSWYu	XLPE	14	16	0.66	2.03	2.50	1.52	45.67	3801
16TC2-I-YaISSWYu	PVC								4035
24TC2-I-XFISSWYu	XLPE	14	24	0.66	2.29	2.50	1.52	46.30	5135
24TC2-I-YaISSWYu	PVC								5480
36TC2-I-XFISSWYu	XLPE	14	36	0.66	2.55	2.50	1.90	63.00	6830
36TC2-I-YaISSWYu	PVC								7350
02TC2-G-XFISSWYu	XLPE	12	2	0.66	1.52	1.60	1.27	26.24	1129
02TC2-G-YaISSWYu	PVC								1160
04TC2-G-XFISSWYu	XLPE	12	4	0.66	1.52	1.60	1.27	29.44	1526
04TC2-G-YaISSWYu	PVC								1600
06TC2-G-XFISSWYu	XLPE	12	6	0.66	1.78	2.0	1.27	35.21	2230
06TC2-G-YaISSWYu	PVC								2340
08TC2-G-XFISSWYu	XLPE	12	8	0.66	1.78	2.0	1.27	38.64	2654
08TC2-G-YaISSWYu	PVC								2800
10TC2-G-XFISSWYu	XLPE	12	10	0.66	2.03	2.50	1.52	44.89	3614
10TC2-G-YaISSWYu	PVC								3800
12TC2-G-XFISSWYu	XLPE	12	12	0.66	2.03	2.50	1.52	46.11	3920
12TC2-G-YaISSWYu	PVC								4120
16TC2-G-XFISSWYu	XLPE	12	16	0.66	2.03	2.50	1.52	50.22	4679
16TC2-G-YaISSWYu	PVC								4950
24TC2-G-XFISSWYu	XLPE	12	24	0.66	2.55	2.50	1.52	61.23	6540
24TC2-G-YaISSWYu	PVC								6920
36TC2-G-XFISSWYu	XLPE	12	36	0.66	2.55	2.50	1.52	69.95	8656
36PC2-G-YaISSWYu	PVC								9220

- Note:** 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 2.) Other conductor sizes and Pair/Triad counts are available upon request.
 3.) Dimensions of cables with Galvanised Double Steel Tape Armour are available upon request.
 4.) Other jacket materials are available upon request.
 5.) Standard Cutting length 1000m ± 5%, other lengths are available upon request.

APPLICATION

- The cables are recommended for indoor and outdoor installation in dry and wet locations, in cable racks and trays, in conduits and suitable for direct burial.
- For Transmission of analogue and digital signals in instrument and control systems; allowed for use in hazardous classified locations class I and class II division 2 acc. to NEC 501-4(b) and NEC 502-4(b), not allowed for direct connection to low impedance sources, e.g. public mains electricity supply.
- For industrial automation process that applies a basic or advanced control system.

Single & Multipair and Multi-Triple, individual and /or Collective screen, PVC- sheath

Cable Features:

Unarmoured
Armoured

Common Cable Construction:

Conductor Type
- Stranded Tinned Copper

Insulation Material
- XLPE 90°C
- PVC 90°C

Unarmoured

Armoured
- Galvanised Steel Wires
- Double Steel Tape

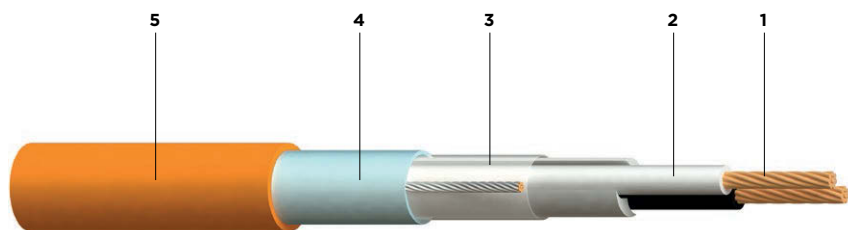
Jackets
- PVC Flame Retardant, Oil and Sunlight Resistant
- Low Smoke Zero Halogen Free

ELECTRICAL PROPERTIES OF 300V FOUNDATION FIELDBUS		
Conductor size (AWG)		18
Max. Conductor Resistance @ 20°C	Ω / km	≤ 24.0
Max. Mutual Capacitance (between conductors)	nF/Km	≤ 115
Max. attenuation at 1.25 fr (39 kHz)	dB/Km	≤ 3.0
Max. Propagation delay change 0.25 fr to 1.25 fr	µs/Km	≤ 1.7
Max. Capacitance unbalance (wire to shield)	nF/Km	≤ 4
Zo at fr (31.25 kHz)	Ω	100 Ω ± 20 %
Insulation Resistance in water @ 15.6°C	MΩ - Km	≥ 700
Dielectric Voltage Withstand Test		1500 VAC for 1 Minute

PHYSICAL PROPERTIES	
Flame Retardancy	Passes UL 1685 vertical tray flame test & IEC 60332-3 Cat.A or C
Sunlight Resistance	Passes UL-1581 test (720 hours)
Oil Resistance	Passes UL-13 test (Oil I)
Minimum Bending Radius	7.5 x Cable Outside Diameter (for unarmoured cables) 10 x Cable Outside Diameter (for armoured cables)
Temperature Range (operation)	During Operation: -30°C to +90°C During Installation: -5°C to +50°C

INSULATION AND JACKET COLOURS	
Pair colour	Black & White. Other pair colours are available upon request.
Jacket colour	Orange. Other colours are available upon request.

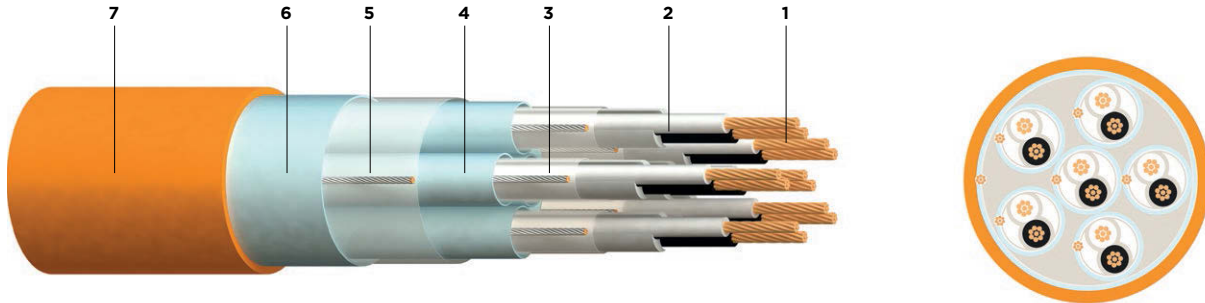
1. **Conductor:** Stranded Tinned Copper conductor.
2. **Insulation:** XLPE FR 90°C.
3. **Pairing:** Uniformly twisted insulated conductors with a suitable twist of lay, applied with filler and polyester wrapping tape.
4. **Screening/Shield:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
5. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Orange).



SINGLE PAIR XLPE SHIELDED CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01PT2-J-XFOSYu	XLPE	18	0.65	1.02	8.80	58

1. **Conductor:** Stranded Tinned Copper conductor.
2. **Insulation:** XLPE FR 90°C.
3. **Pairing:** Uniformly twisted insulated conductors with a suitable twist of lay, applied with filler and polyester wrapping tape.
4. **Individual Screening/Shield:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
5. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
6. **Overall Screening/Shield:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
7. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Orange).

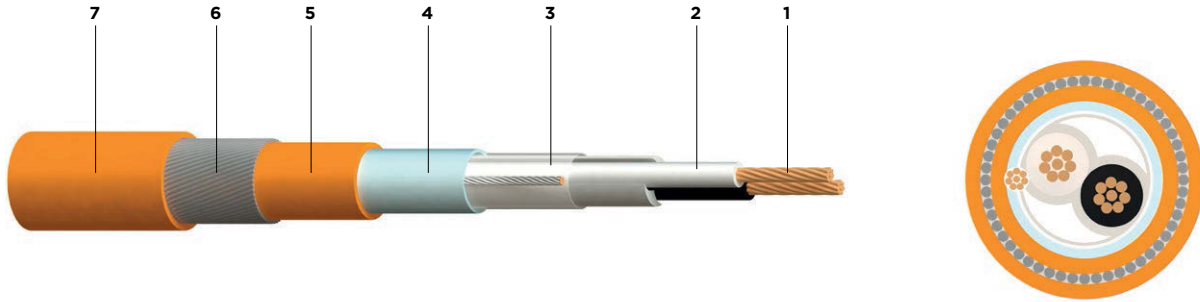


MULTI PAIR XLPE WITH INDIVIDUAL AND OVERALL SHIELD CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-J-XFISYu	XLPE	18	2	0.65	1.27	13.40	136
04TC2-J-XFISYu	XLPE	18	4	0.65	1.27	15.20	212
06TC2-J-XFISYu	XLPE	18	6	0.65	1.27	18.30	312
08TC2-J-XFISYu	XLPE	18	8	0.65	1.27	20.25	391
10TC2-J-XFISYu	XLPE	18	10	0.65	1.27	22.70	473
12TC2-J-XFISYu	XLPE	18	12	0.65	1.27	23.40	543
16TC2-J-XFISYu	XLPE	18	16	0.65	1.78	26.30	719
24TC2-J-XFISYu	XLPE	18	24	0.65	1.78	32.00	1026
36TC2-J-XFISYu	XLPE	18	36	0.65	2.03	36.95	1491

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1. **Conductor:** Stranded Tinned Copper conductor.
2. **Insulation:** XLPE FR 90°C.
3. **Pairing:** Uniformly twisted insulated conductors with a suitable twist of lay, applied with filler and polyester wrapping tape.
4. **Screening/Shield:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
5. **Inner Jacket:** Poly Vinyl Chloride Flame Retardant.
6. **Armour:** Galvanised Round Steel Wires.
7. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Orange).

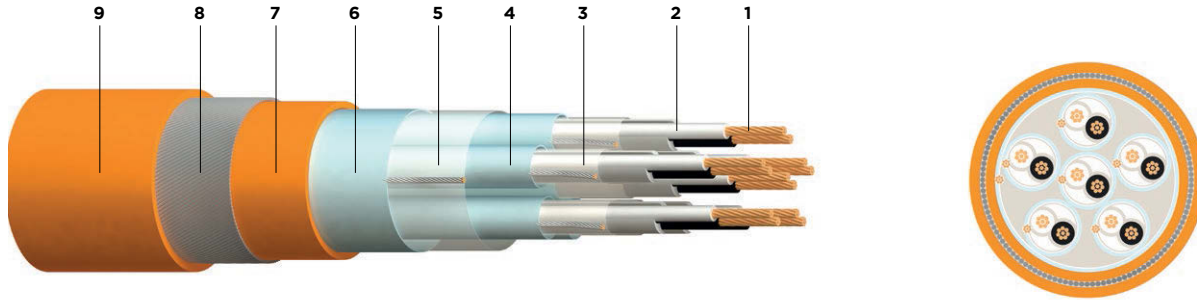


SINGLE PAIR XLPE SHIELDED - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01PT2-J-XFOSSWYu	XLPE	18	0.65	1.02	0.90	1.02	13.00	250

The information given in this leaflet is correct to the best of our knowledge and given in good faith, however the right is reserved to make alterations without prior notice.

1. **Conductor:** Stranded Tinned Copper conductor.
2. **Insulation:** XLPE FR 90°C.
3. **Pairing:** Uniformly twisted insulated conductors with a suitable twist of lay, applied with filler and polyester wrapping tape.
4. **Individual Screening/Shield:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
5. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
6. **Overall Screening:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
7. **Inner Jacket:** Poly Vinyl Chloride Flame Retardant.
8. **Armour:** Galvanised Round Steel Wires.
9. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Orange).



MULTI PAIR XLPE WITH INDIVIDUAL AND OVERALL SHIELD - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-J-XFISWFYU	XLPE	18	2	0.65	1.27	0.90	1.27	17.85	445
04TC2-J-XFISSWYU	XLPE	18	4	0.65	1.27	1.25	1.27	20.40	660
06TC2-J-XFISSWYU	XLPE	18	6	0.65	1.52	1.25	1.27	23.45	863
08TC2-J-XFISSWYU	XLPE	18	8	0.65	1.52	1.60	1.27	26.15	1124
10TC2-J-XFISSWYU	XLPE	18	10	0.65	1.52	1.60	1.27	28.55	1303
12TC2-J-XFISSWYU	XLPE	18	12	0.65	1.52	1.60	1.27	29.25	1409
16TC2-J-XFISSWYU	XLPE	18	16	0.65	1.78	2.00	1.27	33.00	1874
24TC2-J-XFISSWYU	XLPE	18	24	0.65	1.78	2.50	1.27	39.70	2755
36TC2-J-XFISSWYU	XLPE	18	36	0.65	2.03	2.50	1.52	45.15	2549

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APPLICATION

- The cables are recommended for indoor and outdoor installation in dry and wet locations, in cable racks and trays, in conduits and suitable for direct burial.
- For the transmission of thermoelectric voltage from measuring junction to reference junction; allowed for use in zone 1 and zone 2, group II, classified areas (IEC 79-14).

Single & Multipair and Multi-Triple, individual and /or Collective screen, PVC- sheath

Cable Features:

Unarmoured
Armoured

Common Cable Construction:

Conductor Type
- Thermocouple Extension,
(Table 1)

Armoured
- Galvanised Steel Wires
- Double Steel Tape

Insulation Material
- XLPE 90°C
- PVC 90°C

Jackets
- PVC Flame Retardant, Oil and Sunlight Resistant
- Low Smoke Zero Halogen Free

Unarmoured

TABLE 1: TYPES AND COLOUR CODES OF THERMOCOUPLE CABLES

THERMOCOUPLE								
TYPE	MATERIAL		IEC 60584			ANSI MC 96.1		
	Positive Leg (+)	Negative Leg (-)	INSULATION AND JACKET COLOUR			INSULATION AND JACKET COLOUR		
			Positive Leg (+)	Negative Leg (-)	Jacket	Positive Leg (+)	Negative Leg (-)	Jacket
K	Nickel-Chromium	Nickel-Aluminium	Green	White	Green	Yellow	Red	Yellow
E	Nickel-Chromium	Copper Nickel	Purple	White	Purple	Purple	Red	Purple
J	Iron	Copper Nickel	Black	White	Black	White	Red	Black
T	Copper	Copper Nickel	Brown	White	Brown	Blue	Red	Blue
N	Nickel-Chromium Silicon	Nickel-Silicon	Pink	White	Pink	Orange	Red	Orange

THERMOCOUPLE TEMPERATURE RANGE

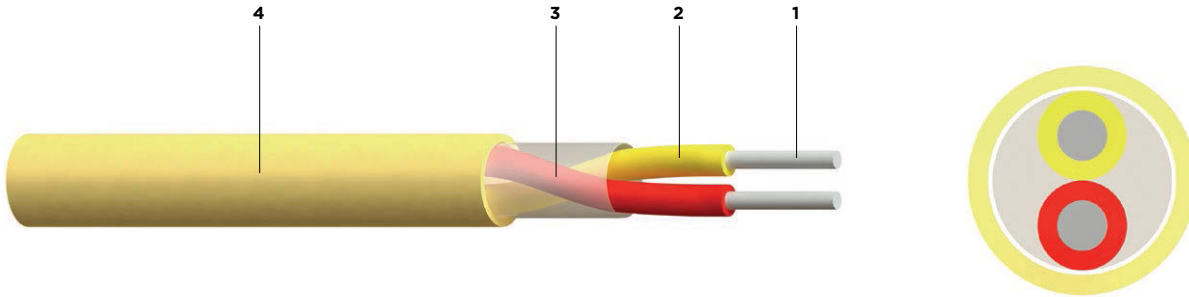
Types*	Temperature Range
K	-20°C to 200°C
E	-20°C to 200°C
J	-20°C to 200°C
T	-59°C to 68°C
N	-20°C to 200°C

* Other types are available upon request.

PHYSICAL PROPERTIES

Flame Retardancy	Passes UL 1685 vertical tray flame test & IEC 60332-3 Cat. A or C
Sunlight Resistance	Passes UL-1581 test (720 hours)
Oil Resistance	Passes UL-13 test (Oil I)
Minimum Bending Radius	7.5 x Cable Outside Diameter (for unarmoured cables) 10 x Cable Outside Diameter (for armoured cables)
Temperature Range (operation)	During Operation: -30°C to +90°C During Installation: -5°C to +50°C

1. **Conductor:** Thermocouple Extension conductor (see Table 1).
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay, applied with polyester wrapping tape.
4. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Yellow).



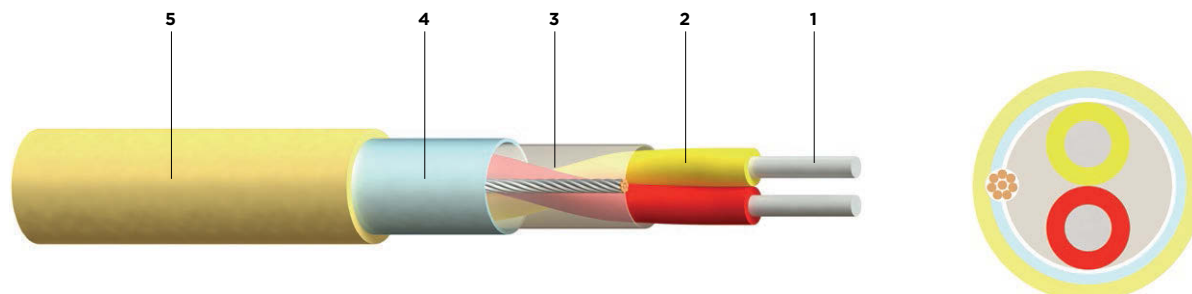
SINGLE PAIR XLPE/PVC UNSHIELDED CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01PKX-J-XFYu	XLPE	18	0.40	0.89	7.30	39
01PKX-J-YaYu	PVC	18	0.40	0.89	7.30	41
01PKX-H-XFYu	XLPE	16	0.40	0.89	7.85	51
01PKX-H-YaYu	PVC	16	0.40	0.89	7.85	54
01PKX-I-XFYu	XLPE	14	0.40	1.02	9.32	69
01PKX-I-YaYu	PVC	14	0.40	1.02	9.32	72
01PKX-G-XFYu	XLPE	12	0.40	1.02	10.16	100
01PKX-G-YaYu	PVC	12	0.40	1.02	10.16	103

Note: 1.) For other types of thermocouple, simply replace "KX" to type required in Table 1.
 2.) Other jacket materials are available upon request.
 3.) Standard cutting length 1000m ± 5%, other lengths are available upon request.

The information given in this leaflet is correct to the best of our knowledge and given in good faith, however the right is reserved to make alterations without prior notice.

1. **Conductor:** Thermocouple Extension conductor (see Table 1).
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay, applied with polyester wrapping tape.
4. **Screening/Shielding:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
5. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Yellow).



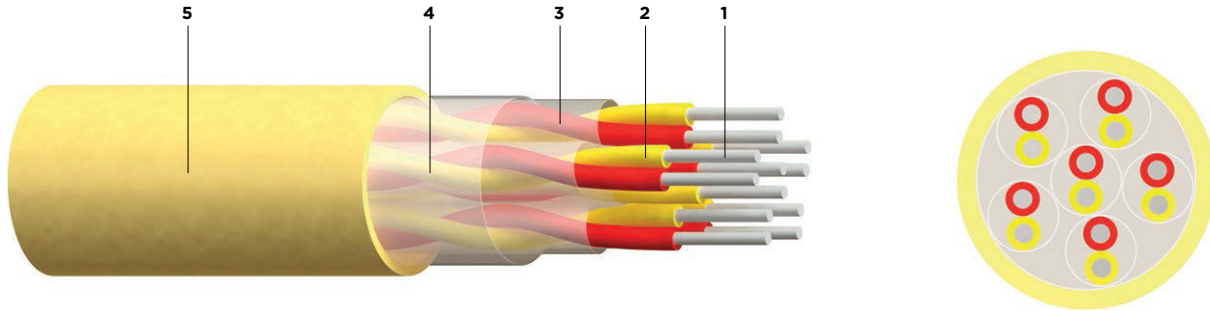
SINGLE PAIR XLPE/PVC UNSHIELDED CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01PKX-J-XFOSYu	XLPE	18	0.40	0.89	7.44	45
01PKX-J-YaOSYu	PVC					47
01PKX-H-XFOSYu	XLPE	16	0.40	0.89	7.98	58
01PKX-H-YaOSYu	PVC					60
01PKX-I-XFOSYu	XLPE	14	0.40	1.02	9.45	85
01PKX-I-YaOSYu	PVC					89
01PKX-G-XFOSYu	XLPE	12	0.40	1.02	10.29	112
01PKX-G-YaOSYu	PVC					116

Note: 1.) For other types of thermocouple, simply replace "KX" to type required in Table 1.
 2.) Other jacket materials are available upon request.
 3.) Standard cutting length 1000m ± 5%, other lengths are available upon request.

The information given in this leaflet is correct to the best of our knowledge and given in good faith, however the right is reserved to make alterations without prior notice.

1. **Conductor:** Thermocouple Extension conductor (see Table 1).
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing:** Uniformly twisted insulated conductors with a suitable twist of lay.
4. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
5. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Yellow).



MULTI PAIR XLPE/PVC UNSHIELDED CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PKX-J-XFYu	XLPE	18	2	0.40	1.02	9.68	71
02PKX-J-YaYu	PVC	18	2	0.40	1.02	9.68	75
04PKX-J-XFYu	XLPE	18	4	0.40	1.02	10.93	113
04PKX-J-YaYu	PVC	18	4	0.40	1.02	10.93	121
06PKX-J-XFYu	XLPE	18	6	0.40	1.27	13.19	172
06PKX-J-YaYu	PVC	18	6	0.40	1.27	13.19	183
08PKX-J-XFYu	XLPE	18	8	0.40	1.27	14.54	216
08PKX-J-YaYu	PVC	18	8	0.40	1.27	14.54	231
10PKX-J-XFYu	XLPE	18	10	0.40	1.27	16.18	262
10PKX-J-YaYu	PVC	18	10	0.40	1.27	16.18	281
12PKX-J-XFYu	XLPE	18	12	0.40	1.27	16.66	301
12PKX-J-YaYu	PVC	18	12	0.40	1.27	16.66	323
16PKX-J-XFYu	XLPE	18	16	0.40	1.52	18.79	403
16PKX-J-YaYu	PVC	18	16	0.40	1.52	18.79	433
24PKX-J-XFYu	XLPE	18	24	0.40	1.52	22.67	575
24PKX-J-YaYu	PVC	18	24	0.40	1.52	22.67	620
36PKX-J-XFYu	XLPE	18	36	0.40	1.78	26.20	843
36PKX-J-YaYu	PVC	18	36	0.40	1.78	26.20	910

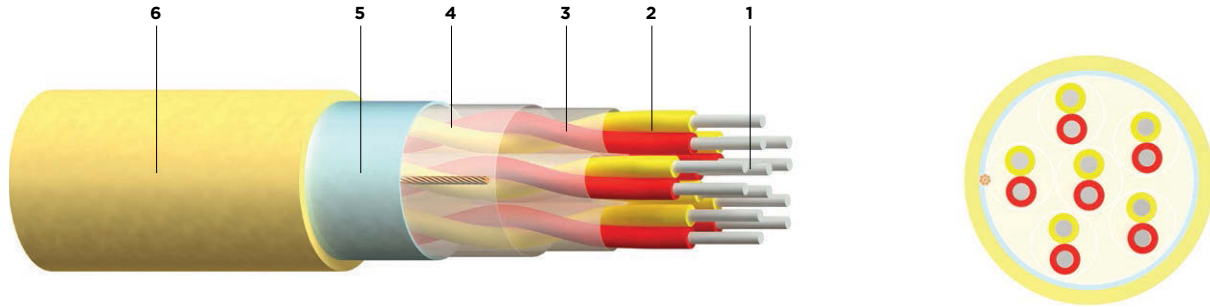
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MULTI PAIR XLPE/PVC UNSHIELDED CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PKX-H-XFYu	XLPE	16	2	0.40	1.02	10.57	96
02PKX-H-YaYu	PVC						100
04PKX-H-XFYu	XLPE	16	4	0.40	1.27	12.53	171
04PKX-H-YaYu	PVC						180
06PKX-H-XFYu	XLPE	16	6	0.40	1.27	14.52	240
06PKX-H-YaYu	PVC						253
08PKX-H-XFYu	XLPE	16	8	0.40	1.27	16.07	305
08PKX-H-YaYu	PVC						323
10PKX-H-XFYu	XLPE	16	10	0.40	1.52	18.47	392
10PKX-H-YaYu	PVC						414
12PKX-H-XFYu	XLPE	16	12	0.40	1.52	19.02	452
12PKX-H-YaYu	PVC						479
16PKX-H-XFYu	XLPE	16	16	0.40	1.52	20.87	577
16PKX-H-YaYu	PVC						613
24PKX-H-XFYu	XLPE	16	24	0.40	1.78	25.88	863
24PKX-H-YaYu	PVC						916
36PC2-H-XFYu	XLPE	16	36	0.40	1.78	29.30	1227
36PKX-H-YaYu	PVC						1307
02PKX-I-XFYu	XLPE	14	2	0.40	1.27	13.06	153
02PKX-I-YaYu	PVC						161
04PKX-I-XFYu	XLPE	14	4	0.40	1.27	14.92	255
04PKX-I-YaYu	PVC						270
06PKX-I-XFYu	XLPE	14	6	0.40	1.52	17.99	380
06PKX-I-YaYu	PVC						402
08PKX-I-XFYu	XLPE	14	8	0.40	1.52	19.98	484
08PKX-I-YaYu	PVC						514
10PKX-I-XFYu	XLPE	14	10	0.40	1.52	22.41	592
10PKX-I-YaYu	PVC						630
12PKX-I-XFYu	XLPE	14	12	0.40	1.52	23.11	687
12PKX-I-YaYu	PVC						732
16PKX-I-XFYu	XLPE	14	16	0.40	1.78	26.04	915
16PKX-I-YaYu	PVC						975
24PKX-I-XFYu	XLPE	14	24	0.40	1.78	31.78	1324
24PKX-I-YaYu	PVC						1415
36PKX-I-XFYu	XLPE	14	36	0.40	2.03	36.71	1944
36PKX-I-YaYu	PVC						2079
02PKX-G-XFYu	XLPE	12	2	0.40	1.27	14.44	208
02PKX-G-YaYu	PVC						217
04PKX-G-XFYu	XLPE	12	4	0.40	1.27	16.58	356
04PKX-G-YaYu	PVC						374
06PKX-G-XFYu	XLPE	12	6	0.40	1.52	20.06	533
06PKX-G-YaYu	PVC						559
08PKX-G-XFYu	XLPE	12	8	0.40	1.52	22.36	685
08PKX-G-YaYu	PVC						721
10PC2-G-XFYu	XLPE	12	10	0.40	1.78	25.71	871
10PKX-G-YaYu	PVC						916
12PKX-G-XFYu	XLPE	12	12	0.40	1.78	26.53	1014
12PKX-G-YaYu	PVC						1068
16PKX-G-XFYu	XLPE	12	16	0.40	1.78	29.28	1310
16PKX-G-YaYu	PVC						1382
24PKX-G-XFYu	XLPE	12	24	0.40	2.03	36.43	1951
24PKX-G-YaYu	PVC						2059
36PKX-G-XFYu	XLPE	12	36	0.40	2.03	41.53	2816
36PKX-G-YaYu	PVC						2978

Note: 1.) For other types of thermocouple, simply replace "KX" to type required in Table 1.
 2.) Other jacket materials are available upon request.
 3.) Standard cutting length 1000m ± 5%, other lengths are available upon request.

1. **Conductor:** Thermocouple Extension conductor (see Table 1).
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing:** Uniformly twisted insulated conductors with a suitable twist of lay.
4. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
5. **Overall Screening:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
6. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Yellow).



MULTI PAIR XLPE/PVC UNSHIELDED WITH OVERALL SHIELD CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PKX-J-XFOSYu	XLPE	18	2	0.40	1.02	10.04	79
02PKX-J-YaOSYu	PVC						83
04PKX-J-XFOSYu	XLPE	18	4	0.40	1.27	11.82	133
04PKX-J-YaOSYu	PVC						141
06PKX-J-XFOSYu	XLPE	18	6	0.40	1.27	13.55	181
06PKX-J-YaOSYu	PVC						192
08PKX-J-XFOSYu	XLPE	18	8	0.40	1.52	14.90	225
08PKX-J-YaOSYu	PVC						240
10PKX-J-XFOSYu	XLPE	18	10	0.40	1.52	16.54	272
10PKX-J-YaOSYu	PVC						290
12PKX-J-XFOSYu	XLPE	18	12	0.40	1.52	17.54	329
12PKX-J-YaOSYu	PVC						352
16PKX-J-XFOSYu	XLPE	18	16	0.40	1.78	19.15	414
16PKX-J-YaOSYu	PVC						444
24PC2-J-XFOSYu	XLPE	18	24	0.40	1.78	23.03	587
24PKX-J-YaOSYu	PVC						632
36PKX-J-XFOSYu	XLPE	18	36	0.40	1.78	26.56	856
36PKX-J-YaOSYu	PVC						923

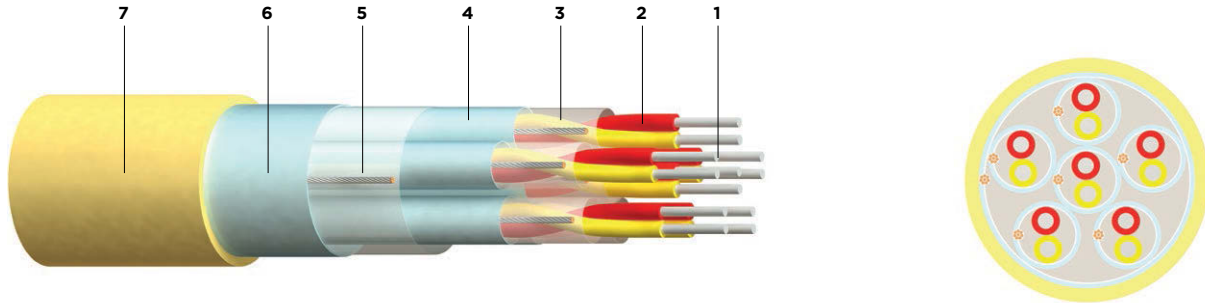
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MULTI PAIR XLPE/PVC UNSHIELDED WITH OVERALL SHIELD CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PKX-H-XFOSYu	XLPE	16	2	0.40	1.02	10.93	104
02PKX-H-YaOSYu	PVC						108
04PKX-H-XFOSYu	XLPE	16	4	0.40	1.27	12.89	180
04PKX-H-YaOSYu	PVC						189
06PKX-H-XFOSYu	XLPE	16	6	0.40	1.27	14.88	249
06PKX-H-YaOSYu	PVC						262
08PKX-H-XFOSYu	XLPE	16	8	0.40	1.27	16.43	314
08PKX-H-YaOSYu	PVC						332
10PKX-H-XFOSYu	XLPE	16	10	0.40	1.52	18.83	403
10PKX-H-YaOSYu	PVC						425
12PKX-H-XFOSYu	XLPE	16	12	0.40	1.52	19.38	463
12PKX-H-YaOSYu	PVC						489
16PKX-H-XFOSYu	XLPE	16	16	0.40	1.52	21.23	588
16PKX-H-YaOSYu	PVC						624
24PKX-H-XFOSYu	XLPE	16	24	0.40	1.78	26.24	879
24PKX-H-YaOSYu	PVC						929
36PKX-H-XFOSYu	XLPE	16	36	0.40	1.78	29.66	1241
36PKX-H-YaOSYu	PVC						1321
02PKX-I-XFOSYu	XLPE	14	2	0.40	1.27	13.42	162
02PKX-I-YaOSYu	PVC						170
04PKX-I-XFOSYu	XLPE	14	4	0.40	1.27	15.28	264
04PKX-I-YaOSYu	PVC						279
06PKX-I-XFOSYu	XLPE	14	6	0.40	1.52	18.35	390
06PKX-I-YaOSYu	PVC						413
08PKX-I-XFOSYu	XLPE	14	8	0.40	1.52	20.34	495
08PKX-I-YaOSYu	PVC						525
10PKX-I-XFOSYu	XLPE	14	10	0.40	1.52	22.77	604
10PKX-I-YaOSYu	PVC						641
12PKX-I-XFOSYu	XLPE	14	12	0.40	1.52	23.47	699
12PKX-I-YaOSYu	PVC						744
16PKX-I-XFOSYu	XLPE	14	16	0.40	1.78	26.40	928
16PKX-I-YaOSYu	PVC						988
24PKX-I-XFOSYu	XLPE	14	24	0.40	1.78	32.14	1338
24PKX-I-YaOSYu	PVC						1429
36PKX-I-XFOSYu	XLPE	14	36	0.40	2.03	37.07	1959
36PKX-I-YaOSYu	PVC						2095
02PKX-G-XFOSYu	XLPE	12	2	0.40	1.27	14.80	217
02PKX-G-YaOSYu	PVC						226
04PKX-G-XFOSYu	XLPE	12	4	0.40	1.52	17.46	385
04PKX-G-YaOSYu	PVC						403
06PKX-G-XFOSYu	XLPE	12	6	0.40	1.52	20.42	543
06PKX-G-YaOSYu	PVC						570
08PKX-G-XFOSYu	XLPE	12	8	0.40	1.52	22.72	697
08PKX-G-YaOSYu	PVC						733
10PKX-G-XFOSYu	XLPE	12	10	0.40	1.78	26.07	884
10PKX-G-YaOSYu	PVC						929
12PKX-G-XFOSYu	XLPE	12	12	0.40	1.78	26.89	1027
12PKX-G-YaOSYu	PVC						1081
16PKX-G-XFOSYu	XLPE	12	16	0.40	1.78	29.64	1323
16PKX-G-YaOSYu	PVC						1395
24PKX-G-XFOSYu	XLPE	12	24	0.40	2.03	36.79	1967
24PKX-G-YaOSYu	PVC						2075
36PKX-G-XFOSYu	XLPE	12	36	0.40	2.03	41.89	2833
36PKX-G-YaOSYu	PVC						2995

Note: 1.) For other types of thermocouple, simply replace "KX" to type required in Table 1.
 2.) Other jacket materials are available upon request.
 3.) Standard cutting length 1000m ± 5%, other lengths are available upon request.

1. **Conductor:** Thermocouple Extension conductor (see Table 1).
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing:** Uniformly twisted insulated conductors with a suitable twist of lay.
4. **Individual Screening/Shield:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
5. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
6. **Overall Screening/Shield:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
7. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Yellow).



MULTI PAIR XLPE/PVC WITH INDIVIDUAL AND OVERALL SHIELD CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PKX-J-XFISYu	XLPE	18	2	0.40	1.02	10.70	97
02PKX-J-YalSYu	PVC						101
04PKX-J-XFISYu	XLPE	18	4	0.40	1.27	12.65	168
04PKX-J-YalSYu	PVC						176
06PKX-J-XFISYu	XLPE	18	6	0.40	1.27	14.56	230
06PKX-J-YalSYu	PVC						242
08PKX-J-XFISYu	XLPE	18	8	0.40	1.52	16.05	290
08PKX-J-YalSYu	PVC						306
10PKX-J-XFISYu	XLPE	18	10	0.40	1.52	18.40	372
10PKX-J-YalSYu	PVC						392
12PKX-J-XFISYu	XLPE	18	12	0.40	1.52	18.93	427
12PKX-J-YalSYu	PVC						451
16PKX-J-XFISYu	XLPE	18	16	0.40	1.52	20.72	541
16PKX-J-YalSYu	PVC						573
24PC2-J-XFISYu	XLPE	18	24	0.40	1.78	25.58	805
24PKX-J-YalSYu	PVC						852
36PKX-J-XFISYu	XLPE	18	36	0.40	1.78	28.90	1136
36PKX-J-YalSYu	PVC						1208

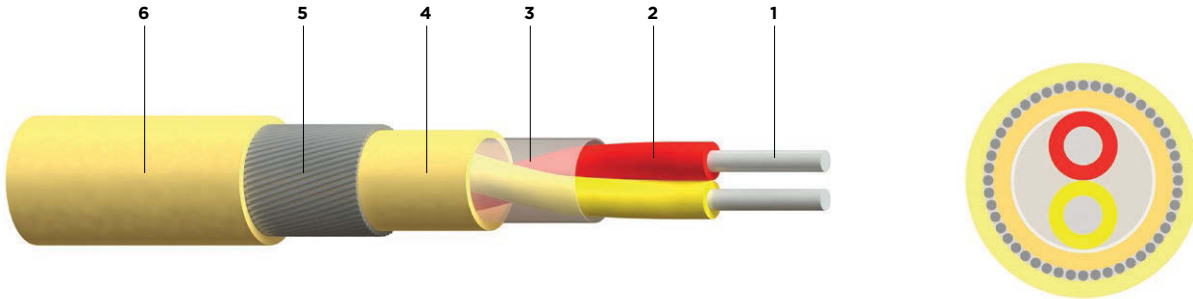
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MULTI PAIR XLPE/PVC WITH INDIVIDUAL AND OVERALL SHIELD CABLE – DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PKX-H-XFISYu	XLPE	16	2	0.40	1.27	12.15	134
02PKX-H-YaISYu	PVC						139
04PKX-H-XFISYu	XLPE	16	4	0.40	1.27	13.75	215
04PKX-H-YaISYu	PVC						224
06PKX-H-XFISYu	XLPE	16	6	0.40	1.27	15.90	299
06PKX-H-YaISYu	PVC						313
08PKX-H-XFISYu	XLPE	16	8	0.40	1.52	18.15	400
08PKX-H-YaISYu	PVC						418
10PKX-H-XFISYu	XLPE	16	10	0.40	1.52	20.20	486
10PKX-H-YaISYu	PVC						509
12PKX-H-XFISYu	XLPE	16	12	0.40	1.52	20.80	561
12PKX-H-YaISYu	PVC						589
16PKX-H-XFISYu	XLPE	16	16	0.40	1.52	22.85	717
16PKX-H-YaISYu	PVC						754
24PKX-H-XFISYu	XLPE	16	24	0.40	1.78	28.30	1068
24PKX-H-YaISYu	PVC						1125
36PKX-H-XFISYu	XLPE	16	36	0.40	1.78	32.05	1523
36PKX-H-YaISYu	PVC						1608
02PKX-I-XFISYu	XLPE	14	2	0.40	1.27	13.29	172
02PKX-I-YaISYu	PVC						178
04PKX-I-XFISYu	XLPE	14	4	0.40	1.27	15.11	285
04PKX-I-YaISYu	PVC						296
06PKX-I-XFISYu	XLPE	14	6	0.40	1.52	18.15	421
06PKX-I-YaISYu	PVC						438
08PKX-I-XFISYu	XLPE	14	8	0.40	1.52	20.11	537
08PKX-I-YaISYu	PVC						560
10PKX-I-XFISYu	XLPE	14	10	0.40	1.52	22.49	656
10PKX-I-YaISYu	PVC						685
12PKX-I-XFISYu	XLPE	14	12	0.40	1.52	23.019	763
12PKX-I-YaISYu	PVC						797
16PKX-I-XFISYu	XLPE	14	16	0.40	1.78	26.09	1013
16PKX-I-YaISYu	PVC						1058
24PKX-I-XFISYu	XLPE	14	24	0.40	1.78	31.73	1466
24PKX-I-YaISYu	PVC						1534
36PKX-I-XFISYu	XLPE	14	36	0.40	2.03	36.60	2152
36PKX-I-YaISYu	PVC						2254
02PKX-G-XFISYu	XLPE	12	2	0.40	1.27	14.70	226
02PKX-G-YaISYu	PVC						233
04PKX-G-XFISYu	XLPE	12	4	0.40	1.27	16.82	386
04PKX-G-YaISYu	PVC						400
06PKX-G-XFISYu	XLPE	12	6	0.40	1.52	20.25	573
06PKX-G-YaISYu	PVC						594
08PKX-G-XFISYu	XLPE	12	8	0.40	1.52	22.55	736
08PKX-G-YaISYu	PVC						764
10PKX-G-XFISYu	XLPE	12	10	0.40	1.78	25.87	934
10PKX-G-YaISYu	PVC						968
12PKX-G-XFISYu	XLPE	12	12	0.40	1.78	26.65	1087
12PKX-G-YaISYu	PVC						1128
16PKX-G-XFISYu	XLPE	12	16	0.40	1.78	29.40	1403
16PKX-G-YaISYu	PVC						1458
24PKX-G-XFISYu	XLPE	12	24	0.40	2.03	36.50	2169
24PKX-G-YaISYu	PVC						2087
36PKX-G-XFISYu	XLPE	12	36	0.40	2.03	41.50	3015
36PKX-G-YaISYu	PVC						3137

Note: 1.) For other types of thermocouple, simply replace "KX" to type required in Table 1.
 2.) Other jacket materials are available upon request.
 3.) Standard cutting length 1000m ± 5%, other lengths are available upon request.

1. **Conductor:** Thermocouple Extension conductor (see Table 1).
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing:** Uniformly twisted insulated conductors with a suitable twist of lay, applied with polyester wrapping tape.
4. **Inner Jacket:** Poly Vinyl Chloride Flame Retardant.
5. **Armour:** Galvanised Round Steel Wires.
6. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Yellow).



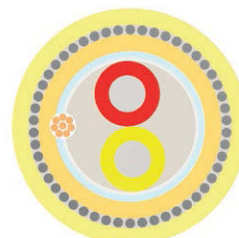
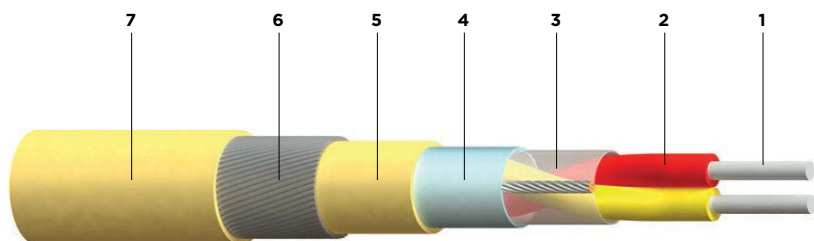
SINGLE PAIR XLPE/PVC UNSHIELDED - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01PKX-J-XFSWYu	XLPE	18	0.40	0.89	0.90	0.89	10.98	168
01PKX-J-YaSWYu	PVC							170
01PKX-H-XFSWYu	XLPE	16	0.40	0.89	0.90	1.02	11.79	200
01PKX-H-YaSWYu	PVC							202
01PKX-I-XFSWYu	XLPE	14	0.40	1.02	0.90	1.02	13.26	236
01PKX-I-YaSWYu	PVC							239
01PKX-G-XFSWYu	XLPE	12	0.40	1.02	0.90	1.02	14.10	287
01PKX-G-YaSWYu	PVC							291

Note: 1.) For other types of thermocouple, simply replace "KX" to type required in Table 1.
 2.) Other jacket materials are available upon request.
 3.) Standard Cutting length 1000m ± 5%, other lengths are available upon request.

The information given in this leaflet is correct to the best of our knowledge and given in good faith, however the right is reserved to make alterations without prior notice.

1. **Conductor:** Thermocouple Extension conductor (see Table 1).
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing:** Uniformly twisted insulated conductors with a suitable twist of lay, applied with polyester wrapping tape.
4. **Screening/Shielding:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
5. **Inner Jacket:** Poly Vinyl Chloride Flame Retardant.
6. **Armour:** Galvanised Round Steel Wires.
7. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Yellow).

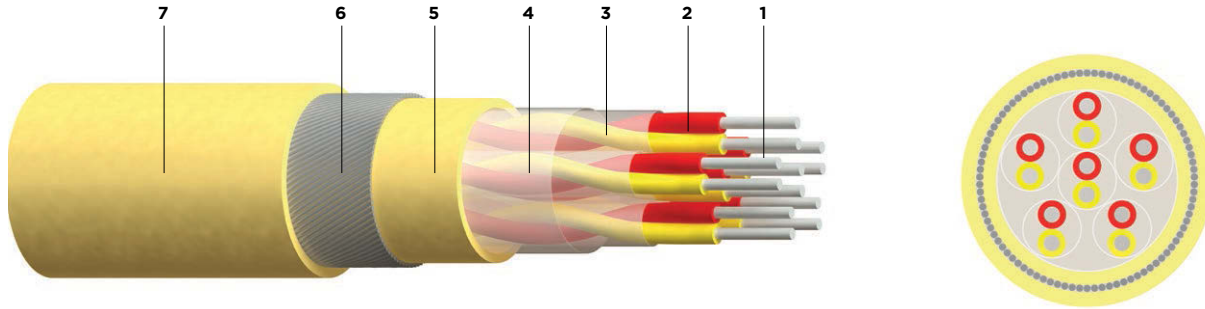


SINGLE PAIR XLPE/PVC SHIELDED - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01PKX-J-XFOSSWYu	XLPE	18	0.40	0.89	0.90	1.02	11.38	188
01PKX-J-YaOSSWYu	PVC							190
01PKX-H-XFOSSWYu	XLPE	16	0.40	0.89	0.90	1.02	11.92	213
01PKX-H-YaOSSWYu	PVC							215
01PKX-I-XFOSSWYu	XLPE	14	0.40	1.02	0.90	1.02	13.39	272
01PKX-I-YaOSSWYu	PVC							276
01PKX-G-XFOSSWYu	XLPE	12	0.40	1.02	0.90	1.02	14.23	318
01PKX-G-YaOSSWYu	PVC							323

Note: 1.) For other types of thermocouple, simply replace "KX" to type required in Table 1.
 2.) Other jacket materials are available upon request.
 3.) Standard Cutting length 1000m ± 5%, other lengths are available upon request.

1. **Conductor:** Thermocouple Extension conductor (see Table 1).
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing:** Uniformly twisted insulated conductors with a suitable twist of lay.
4. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
5. **Inner Jacket:** Poly Vinyl Chloride Flame Retardant.
6. **Armour:** Galvanised Round Steel Wires.
7. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Yellow).



MULTI PAIR XLPE/PVC UNSHIELDED - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PKX-J-XFSWYu	XLPE	18	2	0.40	1.02	0.90	1.02	13.62	265
02PKX-J-YaSWYu	PVC								268
04PKX-J-XFSWYu	XLPE	18	4	0.40	1.02	0.90	1.27	15.40	350
04PKX-J-YaSWYu	PVC								357
06PKX-J-XFSWYu	XLPE	18	6	0.40	1.27	0.90	1.27	17.65	460
06PKX-J-YaSWYu	PVC								471
08PKX-J-XFSWYu	XLPE	18	8	0.40	1.27	1.25	1.27	19.70	625
08PKX-J-YaSWYu	PVC								640
10PKX-J-XFSWYu	XLPE	18	10	0.40	1.27	1.25	1.27	21.34	720
10PKX-J-YaSWYu	PVC								738
12PKX-J-XFSWYu	XLPE	18	12	0.40	1.27	1.25	1.27	21.82	780
12PKX-J-YaSWYu	PVC								803
16PKX-J-XFSWYu	XLPE	18	16	0.40	1.52	1.60	1.27	24.66	1053
16PKX-J-YaSWYu	PVC								1083
24PKX-J-XFSWYu	XLPE	18	24	0.40	1.52	1.60	1.27	28.54	1373
24PKX-J-YaSWYu	PVC								1418
36PKX-J-XFSWYu	XLPE	18	36	0.40	1.78	2.0	1.27	32.87	1954
36PKX-J-YaSWYu	PVC								2021

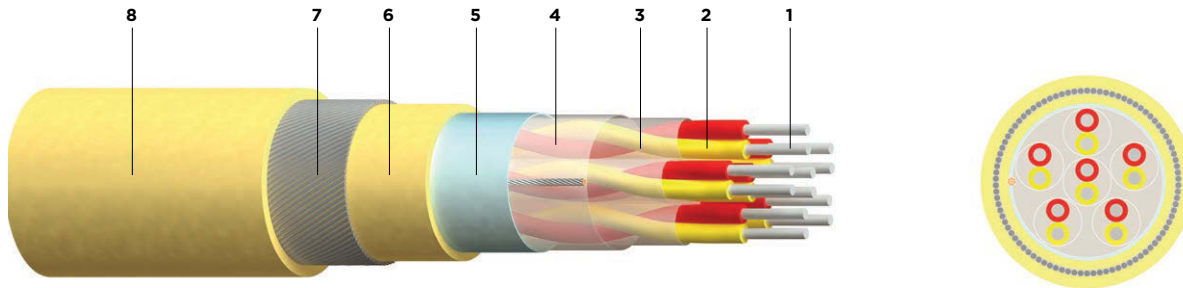
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MULTI PAIR XLPE/PVC UNSHIELDED - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PKX-H-XFSWYu	XLPE	16	2	0.40	1.02	0.90	1.27	15.04	325
02PKX-H-YaSWYu	PVC								329
04PKX-H-XFSWYu	XLPE	16	4	0.40	1.27	0.90	1.27	16.99	447
04PKX-H-YaSWYu	PVC								456
06PKX-H-XFSWYu	XLPE	16	6	0.40	1.27	1.25	1.27	19.68	648
06PKX-H-YaSWYu	PVC								662
08PKX-H-XFSWYu	XLPE	16	8	0.40	1.27	1.25	1.27	21.23	762
08PKX-H-YaSWYu	PVC								780
10PKX-H-XFSWYu	XLPE	16	10	0.40	1.52	1.25	1.27	23.64	920
10PKX-H-YaSWYu	PVC								942
12PKX-H-XFSWYu	XLPE	16	12	0.40	1.52	1.60	1.27	24.89	1118
12PKX-H-YaSWYu	PVC								1145
16PKX-H-XFSWYu	XLPE	16	16	0.40	1.52	1.60	1.27	26.74	1317
16PKX-H-YaSWYu	PVC								1353
24PKX-H-XFSWYu	XLPE	16	24	0.40	1.78	2.0	1.27	32.55	1972
24PKX-H-YaSWYu	PVC								2025
36PKX-H-XFSWYu	XLPE	16	36	0.40	1.78	2.0	1.27	35.97	2479
36PKX-H-YaSWYu	PVC								2559
02PKX-I-XFSWYu	XLPE	14	2	0.40	1.27	0.90	1.27	17.52	444
02PKX-I-YaSWYu	PVC								448
04PKX-I-XFSWYu	XLPE	14	4	0.40	1.27	1.25	1.27	20.05	676
04PKX-I-YaSWYu	PVC								691
06PKX-I-XFSWYu	XLPE	14	6	0.40	1.52	1.25	1.27	23.16	894
06PKX-I-YaSWYu	PVC								917
08PKX-I-XFSWYu	XLPE	14	8	0.40	1.52	1.60	1.27	25.85	1188
08PKX-I-YaSWYu	PVC								1218
10PKX-I-XFSWYu	XLPE	14	10	0.40	1.52	1.60	1.27	28.28	1389
10PKX-I-YaSWYu	PVC								1426
12PKX-I-XFSWYu	XLPE	14	12	0.40	1.52	1.60	1.27	28.98	1504
12PKX-I-YaSWYu	PVC								1549
16PKX-I-XFSWYu	XLPE	14	16	0.40	1.78	2.0	1.27	32.44	2025
16PKX-I-YaSWYu	PVC								2085
24PKX-I-XFSWYu	XLPE	14	24	0.40	1.78	2.0	1.27	38.45	2689
24PKX-I-YaSWYu	PVC								2779
36PKX-I-XFSWYu	XLPE	14	36	0.40	2.03	2.50	1.52	44.91	3928
36PKX-I-YaSWYu	PVC								4063
02PKX-G-XFSWYu	XLPE	12	2	0.40	1.27	1.25	1.27	19.60	616
02PKX-G-YaSWYu	PVC								625
04PKX-G-XFSWYu	XLPE	12	4	0.40	1.27	1.25	1.27	21.75	826
04PKX-G-YaSWYu	PVC								844
06PKX-G-XFSWYu	XLPE	12	6	0.40	1.52	1.60	1.27	25.93	1237
06PKX-G-YaSWYu	PVC								1264
08PKX-G-XFSWYu	XLPE	12	8	0.40	1.52	1.60	1.27	28.23	1465
08PKX-G-YaSWYu	PVC								1501
10PKX-G-XFSWYu	XLPE	12	10	0.40	1.78	2.0	1.27	32.38	1979
10PKX-G-YaSWYu	PVC								2024
12PKX-G-XFSWYu	XLPE	12	12	0.40	1.78	2.0	1.27	33.20	2152
12PKX-G-YaSWYu	PVC								2206
16PKX-G-XFSWYu	XLPE	12	16	0.40	1.78	2.0	1.27	35.95	2561
16PKX-G-YaSWYu	PVC								2633
24PKX-G-XFSWYu	XLPE	12	24	0.40	2.03	2.50	1.52	44.63	3895
24PKX-G-YaSWYu	PVC								4003
36PKX-G-XFSWYu	XLPE	12	36	0.40	2.03	2.50	1.52	49.73	5064
36PKX-G-YaSWYu	PVC								5225

Note: 1.) For other types of thermocouple, simply replace "KX" to type required in Table 1.
 2.) Other jacket materials are available upon request.
 3.) Standard Cutting length 1000m ± 5%, other lengths are available upon request.

1. **Conductor:** Thermocouple Extension conductor (see Table 1).
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing:** Uniformly twisted insulated conductors with a suitable twist of lay.
4. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
5. **Overall Screening:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
6. **Inner Jacket:** Poly Vinyl Chloride Flame Retardant.
7. **Armour:** Galvanised Round Steel Wires.
8. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Yellow).



MULTI PAIR XLPE/PVC UNSHIELDED WITH OVERALL SHIELD - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PKX-J-XFOSSWYu	XLPE	18	2	0.40	1.02	0.90	1.02	13.98	279
02PKX-J-YaOSSWYu	PVC								283
04PKX-J-XFOSSWYu	XLPE	18	4	0.40	1.27	0.90	1.27	16.28	395
04PKX-J-YaOSSWYu	PVC								402
06PKX-J-XFOSSWYu	XLPE	18	6	0.40	1.27	0.90	1.27	18.01	481
06PKX-J-YaOSSWYu	PVC								492
08PKX-J-XFOSSWYu	XLPE	18	8	0.40	1.27	1.25	1.27	20.06	646
08PKX-J-YaOSSWYu	PVC								661
10PKX-J-XFOSSWYu	XLPE	18	10	0.40	1.27	1.25	1.27	21.70	741
10PKX-J-YaOSSWYu	PVC								759
12PKX-J-XFOSSWYu	XLPE	18	12	0.40	1.52	1.25	1.27	22.71	833
12PKX-J-YaOSSWYu	PVC								855
16PKX-J-XFOSSWYu	XLPE	18	16	0.40	1.52	1.60	1.27	25.05	1081
16PKX-J-YaOSSWYu	PVC								1111
24PKX-J-XFOSSWYu	XLPE	18	24	0.40	1.52	1.60	1.27	28.90	1403
24PKX-J-YaOSSWYu	PVC								1448
36PKX-J-XFOSSWYu	XLPE	18	36	0.40	1.78	2.0	1.27	33.23	1994
36PKX-J-YaOSSWYu	PVC								2061

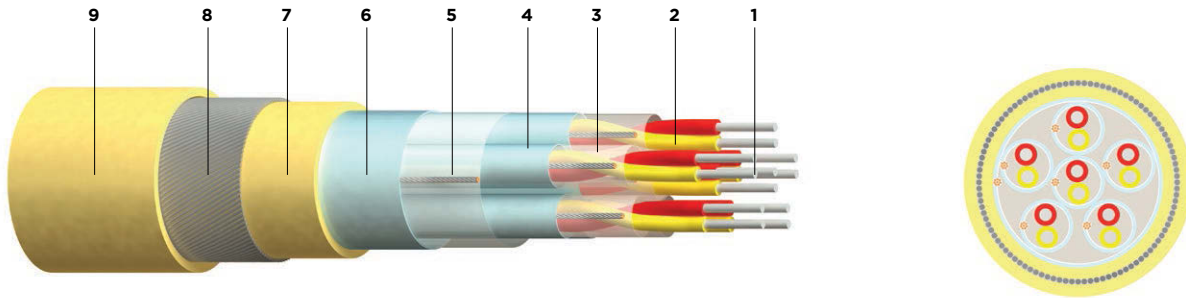
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MULTI PAIR XLPE/PVC UNSHIELDED WITH OVERALL SHIELD - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PKX-H-XFOSSWYu	XLPE	16	2	0.40	1.02	0.90	1.27	15.40	340
02PKX-H-YaOSSWYu	PVC								344
04PKX-H-XFOSSWYu	XLPE	16	4	0.40	1.27	0.90	1.27	17.35	463
04PKX-H-YaOSSWYu	PVC								471
06PKX-H-XFOSSWYu	XLPE	16	6	0.40	1.27	1.25	1.27	20.05	670
06PKX-H-YaOSSWYu	PVC								683
08PKX-H-XFOSSWYu	XLPE	16	8	0.40	1.27	1.25	1.27	21.59	783
08PKX-H-YaOSSWYu	PVC								800
10PKX-H-XFOSSWYu	XLPE	16	10	0.40	1.52	1.60	1.27	24.70	1068
10PKX-H-YaOSSWYu	PVC								1090
12PKX-H-XFOSSWYu	XLPE	16	12	0.40	1.52	1.60	1.27	25.25	1147
12PKX-H-YaOSSWYu	PVC								1174
16PKX-H-XFOSSWYu	XLPE	16	16	0.40	1.52	1.60	1.27	27.10	1331
16PKX-H-YaOSSWYu	PVC								1366
24PKX-H-XFOSSWYu	XLPE	16	24	0.40	1.78	2.0	1.27	32.91	1186
24PKX-H-YaOSSWYu	PVC								2040
36PKX-H-XFOSSWYu	XLPE	16	36	0.40	1.78	2.0	1.27	36.32	2519
36PKX-H-YaOSSWYu	PVC								2598
02PKX-I-XFOSSWYu	XLPE	14	2	0.40	1.27	0.90	1.27	17.88	457
02PKX-I-YaOSSWYu	PVC								464
04PKX-I-XFOSSWYu	XLPE	14	4	0.40	1.27	1.25	1.27	20.45	696
04PKX-I-YaOSSWYu	PVC								711
06PKX-I-XFOSSWYu	XLPE	14	6	0.40	1.52	1.25	1.27	23.52	917
06PKX-I-YaOSSWYu	PVC								939
08PKX-I-XFOSSWYu	XLPE	14	8	0.40	1.52	1.60	1.27	26.21	1201
08PKX-I-YaOSSWYu	PVC								1231
10PKX-I-XFOSSWYu	XLPE	14	10	0.40	1.52	1.60	1.27	28.64	1402
10PKX-I-YaOSSWYu	PVC								1440
12PKX-I-XFOSSWYu	XLPE	14	12	0.40	1.52	1.60	1.27	29.34	1533
12PKX-I-YaOSSWYu	PVC								1578
16PKX-I-XFOSSWYu	XLPE	14	16	0.40	1.78	2.0	1.27	33.05	2064
16PKX-I-YaOSSWYu	PVC								2125
24PKX-I-XFOSSWYu	XLPE	14	24	0.40	1.78	2.50	1.27	39.81	3014
24PKX-I-YaOSSWYu	PVC								3105
36PKX-I-XFOSSWYu	XLPE	14	36	0.40	2.03	2.50	1.52	45.27	3946
36PKX-I-YaOSSWYu	PVC								4082
02PKX-G-XFOSSWYu	XLPE	12	2	0.40	1.27	1.25	1.27	19.96	637
02PKX-G-YaOSSWYu	PVC								646
04PKX-G-XFOSSWYu	XLPE	12	4	0.40	1.52	1.25	1.27	22.63	889
04PKX-G-YaOSSWYu	PVC								906
06PKX-G-XFOSSWYu	XLPE	12	6	0.40	1.52	1.60	1.27	26.29	1265
06PKX-G-YaOSSWYu	PVC								1292
08PKX-G-XFOSSWYu	XLPE	12	8	0.40	1.52	1.60	1.27	28.59	1495
08PKX-G-YaOSSWYu	PVC								1531
10PKX-G-XFOSSWYu	XLPE	12	10	0.40	1.78	2.0	1.27	32.75	1994
10PKX-G-YaOSSWYu	PVC								2039
12PKX-G-XFOSSWYu	XLPE	12	12	0.40	1.78	2.0	1.27	33.56	2167
12PKX-G-YaOSSWYu	PVC								2221
16PKX-G-XFOSSWYu	XLPE	12	16	0.40	1.78	2.0	1.27	36.30	2601
16PKX-G-YaOSSWYu	PVC								2673
24PKX-G-XFOSSWYu	XLPE	12	24	0.40	2.03	2.50	1.52	39.52	3952
24PKX-G-YaOSSWYu	PVC								4060
36PKX-G-XFOSSWYu	XLPE	12	36	0.40	2.03	2.50	1.52	50.83	5083
36PKX-G-YaOSSWYu	PVC								5245

- Note: 1.) For other types of thermocouple, simply replace "KX" to type required in Table 1.
2.) Other jacket materials are available upon request.
3.) Standard Cutting length 1000m ± 5%, other lengths are available upon request.

1. **Conductor:** Thermocouple Extension conductor (see Table 1).
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing:** Uniformly twisted insulated conductors with a suitable twist of lay.
4. **Individual Screening/Shield:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
5. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
6. **Overall Screening:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
7. **Inner Jacket:** Poly Vinyl Chloride Flame Retardant.
8. **Armour:** Galvanised Round Steel Wires.
9. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Black).Sunlight and Oil Resistant (Yellow).



MULTI PAIR XLPE/PVC WITH INDIVIDUAL AND OVERALL SHIELD - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PKX-J-XFISSWYu	XLPE	18	2	0.40	1.02	0.90	1.27	15.18	332
02PKX-J-YalSSWYu	PVC	18	2	0.40	1.02	0.90	1.27	15.18	336
04PKX-J-XFISSWYu	XLPE	18	4	0.40	1.27	0.90	1.27	17.09	444
04PKX-J-YalSSWYu	PVC	18	4	0.40	1.27	0.90	1.27	17.09	452
06PKX-J-XFISSWYu	XLPE	18	6	0.40	1.27	1.25	1.27	19.72	639
06PKX-J-YalSSWYu	PVC	18	6	0.40	1.27	1.25	1.27	19.72	651
08PKX-J-XFISSWYu	XLPE	18	8	0.40	1.27	1.25	1.27	21.21	747
08PKX-J-YalSSWYu	PVC	18	8	0.40	1.27	1.25	1.27	21.21	763
10PKX-J-XFISSWYu	XLPE	18	10	0.40	1.52	1.25	1.27	23.57	899
10PKX-J-YalSSWYu	PVC	18	10	0.40	1.52	1.25	1.27	23.57	919
12PKX-J-XFISSWYu	XLPE	18	12	0.40	1.52	1.60	1.27	24.80	1092
12PKX-J-YalSSWYu	PVC	18	12	0.40	1.52	1.60	1.27	24.80	1116
16PKX-J-XFISSWYu	XLPE	18	16	0.40	1.52	1.60	1.27	26.59	1264
16PKX-J-YalSSWYu	PVC	18	16	0.40	1.52	1.60	1.27	26.59	1296
24PKX-J-XFISSWYu	XLPE	18	24	0.40	1.78	2.0	1.27	32.25	1988
24PKX-J-YalSSWYu	PVC	18	24	0.40	1.78	2.0	1.27	32.25	1935
36PKX-J-XFISSWYu	XLPE	18	36	0.40	1.78	2.0	1.27	23.86	2386
36PKX-J-YalSSWYu	PVC	18	36	0.40	1.78	2.0	1.27	23.86	2457

The information given in this leaflet is correct to the best of our knowledge and given in good faith, however the right is reserved to make alterations without prior notice.

MULTI PAIR XLPE/PVC WITH INDIVIDUAL AND OVERALL SHIELD - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PKX-H-XFISWYu	XLPE	16	2	0.40	1.27	0.90	1.27	16.60	402
02PKX-H-YaISWYu	PVC								407
04PKX-H-XFISWYu	XLPE	16	4	0.40	1.27	0.90	1.27	18.20	56
04PKX-H-YaISWYu	PVC								526
06PKX-H-XFISWYu	XLPE	16	6	0.40	1.27	1.25	1.27	21.08	755
06PKX-H-YaISWYu	PVC								769
08PKX-H-XFISWYu	XLPE	16	8	0.40	1.52	1.25	1.27	23.30	915
08PKX-H-YaISWYu	PVC								934
10PKX-H-XFISWYu	XLPE	16	10	0.40	1.52	1.60	1.27	26.08	1191
10PKX-H-YaISWYu	PVC								1215
12PKX-H-XFISWYu	XLPE	16	12	0.40	1.52	1.60	1.27	26.68	1284
12PKX-H-YaISWYu	PVC								1313
16PKX-H-XFISWYu	XLPE	16	16	0.40	1.52	1.60	1.27	28.72	1516
16PKX-H-YaISWYu	PVC								1553
24PKX-H-XFISWYu	XLPE	16	24	0.40	1.78	2.0	1.27	34.95	2289
24PKX-H-YaISWYu	PVC								2346
36PKX-H-XFISWYu	XLPE	16	36	0.40	1.78	2.50	1.27	39.75	3199
36PKX-H-YaISWYu	PVC								3284
02PKX-I-XFISWYu	XLPE	14	2	0.40	1.27	0.90	1.27	17.75	466
02PKX-I-YaISWYu	PVC								472
04PKX-I-XFISWYu	XLPE	14	4	0.40	1.27	1.25	1.27	20.25	716
04PKX-I-YaISWYu	PVC								727
06PKX-I-XFISWYu	XLPE	14	6	0.40	1.52	1.25	1.27	23.30	937
06PKX-I-YaISWYu	PVC								954
08PKX-I-XFISWYu	XLPE	14	8	0.40	1.52	1.60	1.27	25.98	1242
08PKX-I-YaISWYu	PVC								1265
10PKX-I-XFISWYu	XLPE	14	10	0.40	1.52	1.60	1.27	28.36	1453
10PKX-I-YaISWYu	PVC								1481
12PKX-I-XFISWYu	XLPE	14	12	0.40	1.52	1.60	1.27	29.06	1580
12PKX-I-YaISWYu	PVC								1614
16PKX-I-XFISWYu	XLPE	14	16	0.40	1.78	2.0	1.27	32.76	2123
16PKX-I-YaISWYu	PVC								2168
24PKX-I-XFISWYu	XLPE	14	24	0.40	1.78	2.0	1.27	38.40	2830
24PKX-I-YaISWYu	PVC								2898
36PKX-I-XFISWYu	XLPE	14	36	0.40	2.03	2.50	1.52	44.80	4136
36PKX-I-YaISWYu	PVC								4237
02PKX-G-XFISWYu	XLPE	12	2	0.40	1.27	1.25	1.27	19.86	646
02PKX-G-YaISWYu	PVC								653
04PKX-G-XFISWYu	XLPE	12	4	0.40	1.27	1.25	1.27	21.98	867
04PKX-G-YaISWYu	PVC								880
06PKX-G-XFISWYu	XLPE	12	6	0.40	1.52	1.60	1.27	26.14	1279
06PKX-G-YaISWYu	PVC								1299
08PKX-G-XFISWYu	XLPE	12	8	0.40	1.52	1.60	1.27	28.40	1534
08PKX-G-YaISWYu	PVC								1561
10PKX-G-XFISWYu	XLPE	12	10	0.40	1.78	2.0	1.27	32.54	2042
10PKX-G-YaISWYu	PVC								2076
12PKX-G-XFISWYu	XLPE	12	12	0.40	1.78	2.0	1.27	33.34	2225
12PKX-G-YaISWYu	PVC								2266
16PKX-G-XFISWYu	XLPE	12	16	0.40	1.78	2.0	1.27	36.07	2656
16PKX-G-YaISWYu	PVC								2710
24PKX-G-XFISWYu	XLPE	12	24	0.40	2.03	2.50	1.52	44.69	4031
24PKX-G-YaISWYu	PVC								4113
36PKX-G-XFISWYu	XLPE	12	36	0.40	2.03	2.50	1.52	49.73	5262
36PKX-G-YaISWYu	PVC								5385

Note: 1.) For other types of thermocouple, simply replace "KX" to type required in Table 1.
 2.) Other jacket materials are available upon request.
 3.) Standard Cutting length 1000m ± 5%, other lengths are available upon request.

APPLICATION

- TC Power and Control Tray Cable are intended for use in accordance with Article 336 of NFPA 70, National Electrical Code. Recommended for indoor and outdoor installation in dry and wet locations, in cable racks and trays, in conduits and suitable for direct burial.
- For Transmission of analogue and digital signals in instrument and control systems; UL listed tray cable in compliance with NEC article 336, for use in hazardous classified locations class I and class II division 2 acc. to NEC 501-4(b) and NEC 502-4(b), not allowed for direct connection to low impedance sources, e.g. public mains electricity supply.

Single & Multipair and Multi-Triple, individual and/or Collective screen, PVC- sheath

Common Cable Construction:

Conductor Type	Unarmoured
- Plain Copper	Jackets
- Tinned Coated Copper	- PVC Flame Retardant, Oil and Sunlight Resistant
Insulation Material	- Low Smoke Zero Halogen Free
- XLPE 90°C	
- PVC 90°C	

ELECTRICAL PROPERTIES OF INSTRUMENTATION CABLES - TYPE TC - 600V

Conductor size		(AWG)		12	14	16	18
Conductor Resistance @ 20°C	Plain Cu	(Ω / km)	max.	5.63	8.95	14.25	22.80
	Tinned Cu			5.83	9.3	14.9	23.6
Mutual Capacitance @ 1 KHz	XLPE	(nF/km)	max.	≤ 150	≤ 150	≤ 150	≤ 150
	PVC			≤ 250	≤ 250	≤ 250	≤ 250
L/R ratio		$\mu\text{H}/\Omega$	max.	≤ 80	≤ 60	≤ 40	≤ 25
Insulation Resistance	XLPE	M Ω - Km	min.	30.50	30.50	30.50	30.50
	PVC						
Test Voltage Core/Core (U_{rms}) Core/shield (U_{rms})	XLPE	V	max.	3000	3000	3000	3000
	PVC			2000	2000	2000	2000

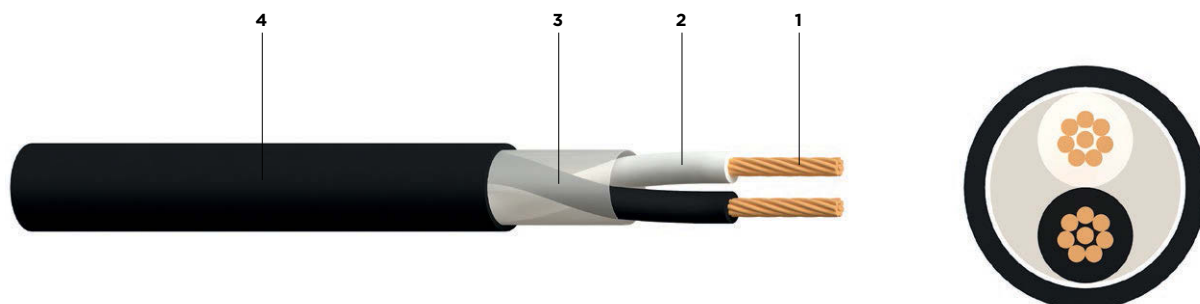
PHYSICAL PROPERTIES

Flame Retardancy	Passes UL 1685 vertical tray flame test & IEC 60332-3 Cat.A or C
Sunlight Resistance	Passes UL-1581 test (720 hours)
Oil Resistance	Passes UL-13 test (Oil I)
Minimum Bending Radius	7.5 x Cable Outside Diameter (for unarmoured cables) 10 x Cable Outside Diameter (for armoured cables)
Temperature Range (operation)	During Operation: -30°C to +90°C During Installation: -5°C to +50°C

INSULATION AND JACKET COLOURS

Pair colour	Black & White. Other pair colours are available upon request.
Triad colour	Black, White and Red. Other triad colours are available upon request.
Jacket colour	Orange. Other colours are available upon request.

1. **Conductor:** Plain/Tinned Stranded Copper conductor.
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay, applied with polyester wrapping tape.
4. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Yellow).



SINGLE PAIR XLPE/PVC UNSHIELDED CABLE - DIMENSIONS AND WEIGHTS

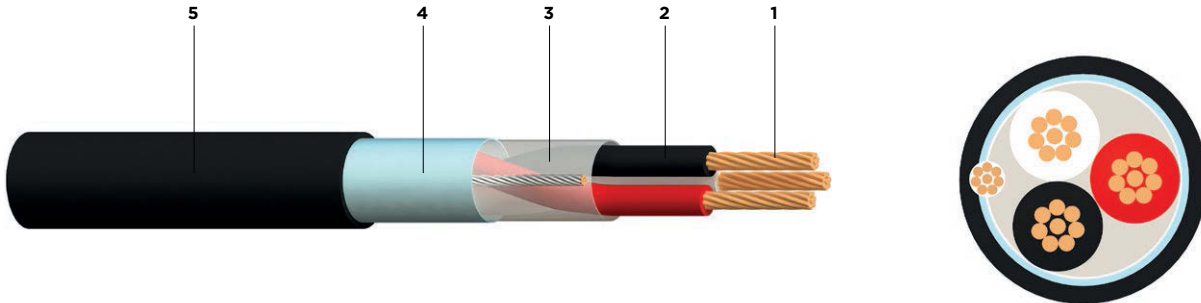
SCC Item Code	Insulation Material Type	Conductor size (AWG)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01PC2-I-XFYu	XLPE	14	0.76	1.14	10.72	98
01PC2-I-YaYu	PVC					105
01PC2-G-XFYu	XLPE	12	0.76	1.14	11.66	128
01PC2-G-YaYu	PVC					135

SINGLE TRIAD XLPE/PVC UNSHIELDED CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01TC2-I-XFOSYu	XLPE	14	0.76	1.14	11.26	128
01TC2-I-YaOSYu	PVC					135
01TC2-G-XFOSYu	XLPE	12	0.76	1.14	12.28	171
01TC2-G-YaOSYu	PVC					183

Note: 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 2.) Other conductor sizes are available upon request.
 3.) Other jacket materials are available upon request.
 4.) Standard cutting length 1000m ± 5%. Other lengths are available upon request.

1. **Conductor:** Plain/Tinned Stranded Copper conductor.
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay, applied with polyester wrapping tape.
4. **Screening/Shielding:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
5. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Black).



SINGLE PAIR XLPE/PVC SHIELDED CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01PC2-I-XFOSYu	XLPE	14	0.76	1.14	11.08	106
01PC2-I-YaOSYu	PVC					115
01PC2-G-XFOSYu	XLPE	12	0.76	1.14	12.02	137
01PC2-G-YaOSYu	PVC					145

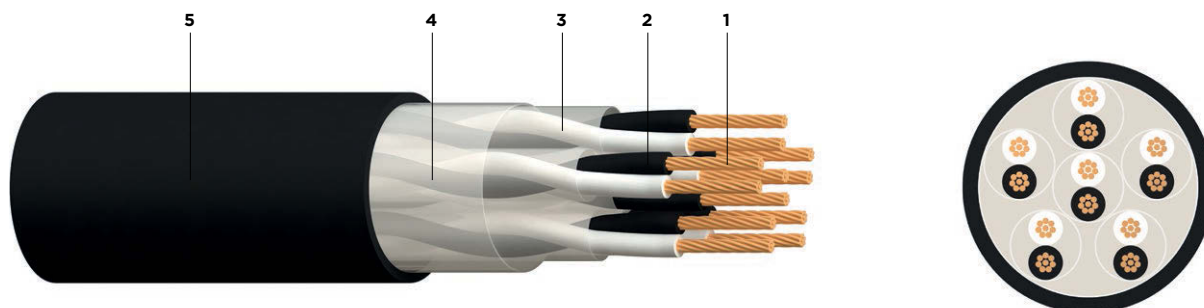
SINGLE TRIAD XLPE/PVC SHIELDED CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01TC2-I-XFOSYu	XLPE	14	0.76	1.14	11.62	136
01TC2-I-YaOSYu	PVC					150
01TC2-G-XFOSYu	XLPE	12	0.76	1.14	12.64	179
01TC2-G-YaOSYu	PVC					195

Note: 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 2.) Other conductor sizes are available upon request.
 3.) Other jacket materials are available upon request.
 4.) Standard cutting length 1000m ± 5%. Other lengths are available upon request.

The information given in this leaflet is correct to the best of our knowledge and given in good faith, however the right is reserved to make alterations without prior notice.

1. **Conductor:** Plain/Tinned Stranded Copper conductor.
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay.
4. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
5. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Black).



MULTI PAIR XLPE/PVC UNSHIELDED CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-I-XFYu	XLPE	14	2	0.76	1.52	15.85	175
02PC2-I-YaYu	PVC						200
04PC2-I-XFYu	XLPE	14	4	0.76	1.52	18.17	291
04PC2-I-YaYu	PVC						335
06PC2-I-XFYu	XLPE	14	6	0.76	1.52	21.39	433
06PC2-I-YaYu	PVC						495
08PC2-I-XFYu	XLPE	14	8	0.76	2.05	25.00	553
08PC2-I-YaYu	PVC						600
10PC2-I-XFYu	XLPE	14	10	0.76	2.05	28.05	706
10PC2-I-YaYu	PVC						795
12PC2-I-XFYu	XLPE	14	12	0.76	2.05	28.94	815
12PC2-I-YaYu	PVC						910
16PC2-I-XFYu	XLPE	14	16	0.76	2.05	31.93	1043
16PC2-I-YaYu	PVC						1170
24PC2-I-XFYu	XLPE	14	24	0.76	2.05	39.14	1552
24PC2-I-YaYu	PVC						1750
36PC2-I-XFYu	XLPE	14	36	0.76	2.80	46.25	2215
36PC2-I-YaYu	PVC						2490
02PC2-G-XFYu	XLPE	12	2	0.76	1.52	17.39	234
02PC2-G-YaYu	PVC						280
04PC2-G-XFYu	XLPE	12	4	0.76	1.52	20.04	421
04PC2-G-YaYu	PVC						485
06PC2-G-XFYu	XLPE	12	6	0.76	2.05	24.82	598
06PC2-G-YaYu	PVC						680
08PC2-G-XFYu	XLPE	12	8	0.76	2.05	27.66	799
08PC2-G-YaYu	PVC						905
10PC2-G-XFYu	XLPE	12	10	0.76	2.05	31.14	979
10PC2-G-YaYu	PVC						1105
12PC2-G-XFYu	XLPE	12	12	0.76	2.05	32.15	1138
12PC2-G-YaYu	PVC						1260
16PC2-G-XFYu	XLPE	12	16	0.76	2.05	32.56	1507
16PC2-G-YaYu	PVC						1660
24PC2-G-XFYu	XLPE	12	24	0.76	2.05	43.76	2188
24PC2-G-YaYu	PVC						2400
36PC2-G-XFYu	XLPE	12	36	0.76	2.80	51.65	3212
36PC2-G-YaYu	PVC						3500

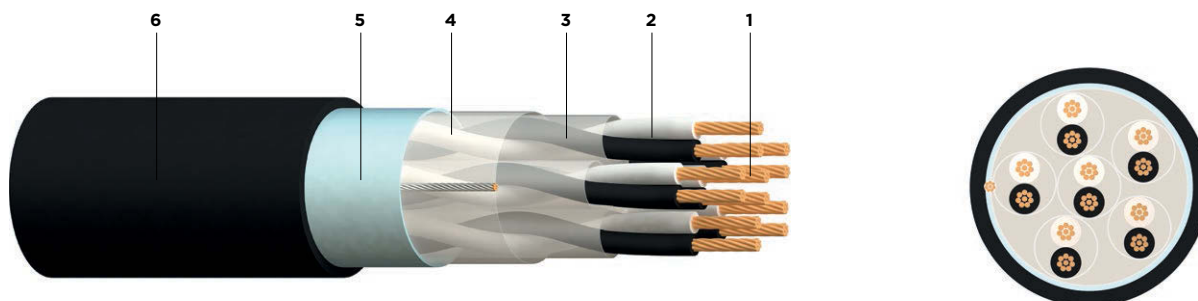
The information given in this leaflet is correct to the best of our knowledge and given in good faith, however the right is reserved to make alterations without prior notice.

MULTI TRIAD XLPE/PVC UNSHIELDED CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-I-XFYu	XLPE	14	2	0.76	1.52	17.46	266
02TC2-I-YaYu	PVC						300
04TC2-I-XFYu	XLPE	14	4	0.76	1.52	20.13	446
04TC2-I-YaYu	PVC						500
06TC2-I-XFYu	XLPE	14	6	0.76	2.05	24.93	691
06TC2-I-YaYu	PVC						785
08TC2-I-XFYu	XLPE	14	8	0.76	2.05	27.79	879
08TC2-I-YaYu	PVC						1000
10TC2-I-XFYu	XLPE	14	10	0.76	2.05	31.28	1074
10TC2-I-YaYu	PVC						1220
12TC2-I-XFYu	XLPE	14	12	0.76	2.05	32.30	1244
12TC2-I-YaYu	PVC						1410
16TC2-I-XFYu	XLPE	14	16	0.76	2.05	35.73	1599
16TC2-I-YaYu	PVC						1815
24TC2-I-XFYu	XLPE	14	24	0.76	2.80	45.56	2476
24TC2-I-YaYu	PVC						2820
36TC2-I-XFYu	XLPE	14	36	0.76	2.80	51.91	3522
36TC2-I-YaYu	PVC						4005
02TC2-G-XFYu	XLPE	12	2	0.76	1.52	19.24	354
02TC2-G-YaYu	PVC						395
04TC2-G-XFYu	XLPE	12	4	0.76	1.52	22.28	612
04TC2-G-YaYu	PVC						680
06TC2-G-XFYu	XLPE	12	6	0.76	2.05	27.60	942
06TC2-G-YaYu	PVC						1055
08TC2-G-XFYu	XLPE	12	8	0.76	2.05	30.85	1209
08TC2-G-YaYu	PVC						1350
10TC2-G-XFYu	XLPE	12	10	0.76	2.05	34.83	1484
10TC2-G-YaYu	PVC						1655
12TC2-G-XFYu	XLPE	12	12	0.76	2.05	35.99	1731
12TC2-G-YaYu	PVC						1930
16TC2-G-XFYu	XLPE	12	16	0.76	2.05	39.90	2239
16TC2-G-YaYu	PVC						2495
24TC2-G-XFYu	XLPE	12	24	0.76	2.80	50.88	3447
24TC2-G-YaYu	PVC						3845
36TC2-G-XFYu	XLPE	12	36	0.76	2.80	58.12	4955
36TC2-G-YaYu	PVC						5520

- Note:** 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
2.) Other conductor sizes are available upon request.
3.) Other jacket materials are available upon request.
4.) Standard cutting length 1000m ± 5%. Other lengths are available upon request.

1. **Conductor:** Plain/Tinned Stranded Copper conductor.
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay.
4. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
5. **Overall Shielding:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
6. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Black).



MULTI PAIR XLPE/PVC UNSHIELDED WITH OVERALL SHIELD CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-I-XFOSYu	XLPE	14	2	0.76	1.52	16.21	211
02PC2-I-YaOSYu	PVC	14	2	0.76	1.52	16.21	211
04PC2-I-XFOSYu	XLPE	14	4	0.76	1.52	18.53	335
04PC2-I-YaOSYu	PVC	14	4	0.76	1.52	18.53	335
06PC2-I-XFOSYu	XLPE	14	6	0.76	1.52	21.75	466
06PC2-I-YaOSYu	PVC	14	6	0.76	1.52	21.75	466
08PC2-I-XFOSYu	XLPE	14	8	0.76	2.05	25.36	651
08PC2-I-YaOSYu	PVC	14	8	0.76	2.05	25.36	651
10PC2-I-XFOSYu	XLPE	14	10	0.76	2.05	28.41	789
10PC2-I-YaOSYu	PVC	14	10	0.76	2.05	28.41	789
12PC2-I-XFOSYu	XLPE	14	12	0.76	2.05	29.30	905
12PC2-I-YaOSYu	PVC	14	12	0.76	2.05	29.30	905
16PC2-I-XFOSYu	XLPE	14	16	0.76	2.05	32.29	1148
16PC2-I-YaOSYu	PVC	14	16	0.76	2.05	32.29	1148
24PC2-I-XFOSYu	XLPE	14	24	0.76	2.05	39.50	1649
24PC2-I-YaOSYu	PVC	14	24	0.76	2.05	39.50	1649
36PC2-I-XFOSYu	XLPE	14	36	0.76	2.80	46.61	2504
36PC2-I-YaOSYu	PVC	14	36	0.76	2.80	46.61	2504
02PC2-G-XFOSYu	XLPE	12	2	0.76	1.52	17.75	272
02PC2-G-YaOSYu	PVC	12	2	0.76	1.52	17.75	272
04PC2-G-XFOSYu	XLPE	12	4	0.76	1.52	20.40	449
04PC2-G-YaOSYu	PVC	12	4	0.76	1.52	20.40	449
06PC2-G-XFOSYu	XLPE	12	6	0.76	2.05	25.18	692
06PC2-G-YaOSYu	PVC	12	6	0.76	2.05	25.18	692
08PC2-G-XFOSYu	XLPE	12	8	0.76	2.05	28.02	878
08PC2-G-YaOSYu	PVC	12	8	0.76	2.05	28.02	878
10PC2-G-XFOSYu	XLPE	12	10	0.76	2.05	31.50	1070
10PC2-G-YaOSYu	PVC	12	10	0.76	2.05	31.50	1070
12PC2-G-XFOSYu	XLPE	12	12	0.76	2.05	32.51	1237
12PC2-G-YaOSYu	PVC	12	12	0.76	2.05	32.51	1237
16PC2-G-XFOSYu	XLPE	12	16	0.76	2.05	35.92	1585
16PC2-G-YaOSYu	PVC	12	16	0.76	2.05	35.92	1585
24PC2-G-XFOSYu	XLPE	12	24	0.76	2.05	44.12	2295
24PC2-G-YaOSYu	PVC	12	24	0.76	2.05	44.12	2295
36PC2-G-XFOSYu	XLPE	12	36	0.76	2.80	52.01	3478
36PC2-G-YaOSYu	PVC	12	36	0.76	2.80	52.01	3478

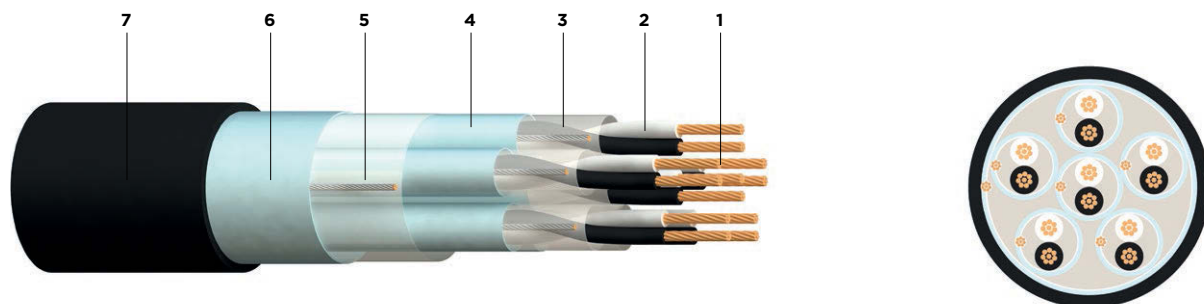
MULTI TRIAD XLPE/PVC UNSHIELDED WITH OVERALL SHIELD CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-I-XFOSYu	XLPE	14	2	0.76	1.52	17.82	276
02TC2-I-YaOSYu	PVC	14	2	0.76	1.52	17.82	276
04TC2-I-XFOSYu	XLPE	14	4	0.76	1.52	20.49	457
04TC2-I-YaOSYu	PVC	14	4	0.76	1.52	20.49	457
06TC2-I-XFOSYu	XLPE	14	6	0.76	2.05	25.29	704
06TC2-I-YaOSYu	PVC	14	6	0.76	2.05	25.29	704
08TC2-I-XFOSYu	XLPE	14	8	0.76	2.05	28.15	893
08TC2-I-YaOSYu	PVC	14	8	0.76	2.05	28.15	893
10TC2-I-XFOSYu	XLPE	14	10	0.76	2.05	31.64	1089
10TC2-I-YaOSYu	PVC	14	10	0.76	2.05	31.64	1089
12TC2-I-XFOSYu	XLPE	14	12	0.76	2.05	32.66	1259
12TC2-I-YaOSYu	PVC	14	12	0.76	2.05	32.66	1259
16TC2-I-XFOSYu	XLPE	14	16	0.76	2.05	36.09	1614
16TC2-I-YaOSYu	PVC	14	16	0.76	2.05	36.09	1614
24TC2-I-XFOSYu	XLPE	14	24	0.76	2.80	45.92	2495
24TC2-I-YaOSYu	PVC	14	24	0.76	2.80	45.92	2495
36TC2-I-XFOSYu	XLPE	14	36	0.76	2.80	52.27	3543
36TC2-I-YaOSYu	PVC	14	36	0.76	2.80	52.27	3543
02TC2-G-XFOSYu	XLPE	12	2	0.76	1.52	19.60	365
02TC2-G-YaOSYu	PVC	12	2	0.76	1.52	19.60	365
04TC2-G-XFOSYu	XLPE	12	4	0.76	1.52	22.64	623
04TC2-G-YaOSYu	PVC	12	4	0.76	1.52	22.64	623
06TC2-G-XFOSYu	XLPE	12	6	0.76	2.05	27.96	950
06TC2-G-YaOSYu	PVC	12	6	0.76	2.05	27.96	950
08TC2-G-XFOSYu	XLPE	12	8	0.76	2.05	31.21	1224
08TC2-G-YaOSYu	PVC	12	8	0.76	2.05	31.21	1224
10TC2-G-XFOSYu	XLPE	12	10	0.76	2.05	35.19	1499
10TC2-G-YaOSYu	PVC	12	10	0.76	2.05	35.19	1499
12TC2-G-XFOSYu	XLPE	12	12	0.76	2.05	36.35	1746
12TC2-G-YaOSYu	PVC	12	12	0.76	2.05	36.35	1746
16TC2-G-XFOSYu	XLPE	12	16	0.76	2.05	40.26	2256
16TC2-G-YaOSYu	PVC	12	16	0.76	2.05	40.26	2256
24TC2-G-XFOSYu	XLPE	12	24	0.76	2.80	21.24	3467
24TC2-G-YaOSYu	PVC	12	24	0.76	2.80	21.24	3467
36TC2-G-XFOSYu	XLPE	12	36	0.76	2.80	58.48	4977
36TC2-G-YaOSYu	PVC	12	36	0.76	2.80	58.48	4977

Note: 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 2.) Other conductor sizes and Pair/Triad counts are available upon request.
 3.) Other jacket materials are available upon request.
 4.) Standard cutting length 1000m ± 5%. Other lengths are available upon request.

The information given in this leaflet is correct to the best of our knowledge and given in good faith, however the right is reserved to make alterations without prior notice.

1. **Conductor:** Plain/Tinned Stranded Copper conductor.
2. **Insulation:** PVC FR 90°C, XLPE FR 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay.
4. **Individual Screening/Shield :** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
5. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
6. **Overall Screening:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
7. **Jacket:** Heat Resistant Poly Vinyl Chloride Flame Retardant Sunlight and Oil Resistant (Black).



MULTI PAIR XLPE/PVC WITH INDIVIDUAL AND OVERALL SHIELD CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-I-XFISYu	XLPE	14	2	0.76	1.52	16.86	232
02PC2-I-YaISYu	PVC						
04PC2-I-XFISYu	XLPE	14	4	0.76	1.52	19.33	374
04PC2-I-YaISYu	PVC						
06PC2-I-XFISYu	XLPE	14	6	0.76	1.52	22.74	523
06PC2-I-YaISYu	PVC						
08PC2-I-XFISYu	XLPE	14	8	0.76	2.05	26.50	728
08PC2-I-YaISYu	PVC						
10PC2-I-XFISYu	XLPE	14	10	0.76	2.05	29.73	884
10PC2-I-YaISYu	PVC						
12PC2-I-XFISYu	XLPE	14	12	0.76	2.05	30.67	1017
12PC2-I-YaISYu	PVC						
16PC2-I-XFISYu	XLPE	14	16	0.76	2.05	33.84	1295
16PC2-I-YaISYu	PVC						
24PC2-I-XFISYu	XLPE	14	24	0.76	2.05	41.47	1865
24PC2-I-YaISYu	PVC						
36PC2-I-XFISYu	XLPE	14	36	0.76	2.80	48.92	2830
36PC2-I-YaISYu	PVC						
02PC2-G-XFISYu	XLPE	12	2	0.76	1.52	18.44	295
02PC2-G-YaISYu	PVC						
04PC2-G-XFISYu	XLPE	12	4	0.76	1.52	21.24	491
04PC2-G-YaISYu	PVC						
06PC2-G-XFISYu	XLPE	12	6	0.76	2.05	26.23	756
06PC2-G-YaISYu	PVC						
08PC2-G-XFISYu	XLPE	12	8	0.76	2.05	29.22	960
08PC2-G-YaISYu	PVC						
10PC2-G-XFISYu	XLPE	12	10	0.76	2.05	32.89	1172
10PC2-G-YaISYu	PVC						
12PC2-G-XFISYu	XLPE	12	12	0.76	2.05	33.95	1357
12PC2-G-YaISYu	PVC						
16PC2-G-XFISYu	XLPE	12	16	0.76	2.05	37.55	1742
16PC2-G-YaISYu	PVC						
24PC2-G-XFISYu	XLPE	12	24	0.76	2.80	47.78	2690
24PC2-G-YaISYu	PVC						
36PC2-G-XFISYu	XLPE	12	36	0.76	2.80	54.44	3828
36PC2-G-YaISYu	PVC						

The information given in this leaflet is correct to the best of our knowledge and given in good faith, however the right is reserved to make alterations without prior notice.

MULTI TRIAD XLPE/PVC WITH INDIVIDUAL AND OVERALL SHIELD CABLE – DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor size (AWG)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-I-XFISYu	XLPE	14	2	0.76	1.52	19.28	304
02TC2-I-YaISYu	PVC						
04TC2-I-XFISYu	XLPE	14	4	0.76	1.52	22.25	503
04TC2-I-YaISYu	PVC						
06TC2-I-XFISYu	XLPE	14	6	0.76	2.05	27.48	755
06TC2-I-YaISYu	PVC						
08TC2-I-XFISYu	XLPE	14	8	0.76	2.05	30.66	954
08TC2-I-YaISYu	PVC						
10TC2-I-XFISYu	XLPE	14	10	0.76	2.05	34.56	1200
10TC2-I-YaISYu	PVC						
12TC2-I-XFISYu	XLPE	14	12	0.76	2.05	35.69	1388
12TC2-I-YaISYu	PVC						
16TC2-I-XFISYu	XLPE	14	16	0.76	2.05	39.51	1780
16TC2-I-YaISYu	PVC						
24TC2-I-XFISYu	XLPE	14	24	0.76	2.80	50.28	2751
24TC2-I-YaISYu	PVC						
36TC2-I-XFISYu	XLPE	14	36	0.76	2.80	57.36	3907
36TC2-I-YaISYu	PVC						
02TC2-G-XFISYu	XLPE	12	2	0.76	1.52	21.20	395
02TC2-G-YaISYu	PVC						
04TC2-G-XFISYu	XLPE	12	4	0.76	2.05	25.69	733
04TC2-G-YaISYu	PVC						
06TC2-G-XFISYu	XLPE	12	6	0.76	2.05	30.35	1033
06TC2-G-YaISYu	PVC						
08TC2-G-XFISYu	XLPE	12	8	0.76	2.05	33.97	1322
08TC2-G-YaISYu	PVC						
10TC2-G-XFISYu	XLPE	12	10	0.76	2.05	38.39	1620
10TC2-G-YaISYu	PVC						
12TC2-G-XFISYu	XLPE	12	12	0.76	2.05	39.68	1885
12TC2-G-YaISYu	PVC						
16TC2-G-XFISYu	XLPE	12	16	0.76	2.05	44.02	2435
16TC2-G-YaISYu	PVC						
24TC2-G-XFISYu	XLPE	12	24	0.76	2.80	56.04	3744
24TC2-G-YaISYu	PVC						
36TC2-G-XFISYu	XLPE	12	36	0.76	2.80	64.08	5370
36TC2-G-YaISYu	PVC						

- Note:** 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 2.) Other conductor sizes and Pair/Triad counts are available upon request.
 3.) Other jacket materials are available upon request.
 4.) Standard Cutting length 1000m ± 5%, other lengths are on request.

APPLICATION

- These cables are used in Petrochemical Industries and other process that requires control signals for the transmission of analog and digital signals to link all the hardware in the networks.

Single & Multipair and Multi-Triples, individual and /or Collective screen, PVC- sheath

Cable Features:

- Unarmoured
- Armoured
- Lead Sheathed or Multi-layer Sheathed

Common Cable Construction:

- Conductor Type
 - Plain Copper
 - Tinned Coated Copper
- Insulation Material
 - XLPE 90°C
 - PVC 90°C

- Lead Sheathed or Multi-Layer Sheathed
- Armoured
 - Galvanised Steel Wires
 - Double Steel Tape
- Jackets
 - PVC Flame Retardant, Oil and Sunlight Resistant
 - Low Smoke Zero Halogen Free

ELECTRICAL PROPERTIES OF INSTRUMENTATION CABLES - 500V

Conductor area size (mm ²)				0.5	0.75	1.0	1.5	2.5
Conductor Resistance @ 20°C	Plain Cu	(Ω / km)	max.	≤36.00	≤24.50	≤18.10	≤12.10	≤7.41
	Tinned Cu			≤36.70	≤24.80	≤18.20	≤12.20	≤7.56
Mutual Capacitance @ 1 KHz	XLPE	(nF/km)	max.	≤150	≤150	≤150	≤150	≤150
	PVC			≤250	≤250	≤250	≤250	≤250
L/R ratio		μH/Ω	max.	≤25	≤25	≤25	≤40	≤60
Insulation Resistance	XLPE	MΩ - Km	min.	≥1000	≥1000	≥1000	≥1000	≥1000
	PVC		min.	≥10	≥10	≥10	≥10	≥10
Test Voltage Core/Core (U _{rms}) Core/shield (U _{rms})	XLPE	V	min.	≥2000	≥2000	≥2000	≥2000	≥2000
	PVC		min.	≥2000	≥2000	≥2000	≥2000	≥2000

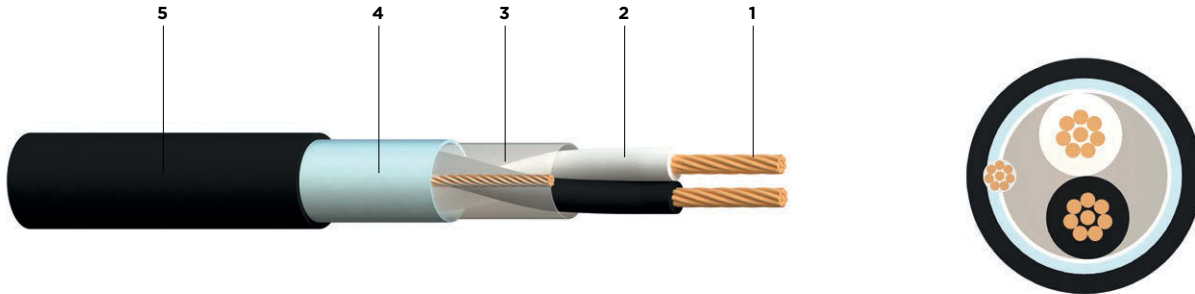
PHYSICAL PROPERTIES

Flame Retardancy	Passes UL 1685 vertical tray flame test & IEC 60332-3 Cat. A or C
Sunlight Resistance	Passes UL-1581 test (720 hours)
Oil Resistance	Passes UL-13 test (Oil I)/ICEA S-732-532
Minimum Bending Radius	7.5 x Cable Outside Diameter (for unarmoured cables) 10 x Cable Outside Diameter (for armoured cables)
Temperature Range	During Operation: -30°C to +90°C During Installation: -5°C to +50°C

INSULATION AND JACKET COLOURS

Pair colour	Black & White. Other pair colours are available upon request.
Triad colour	Black, White and Red. Other triad colours are available upon request.
Jacket colour	Black. Other colours are available upon request.

1. **Conductor:** Plain/Tinned Stranded Copper conductor.
2. **Insulation:** PVC 90°C, XLPE 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay, applied with polyester wrapping tape.
4. **Individual Screening/Shield:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
5. **Jacket:** Poly Vinyl Chloride Flame Retardant (Black).



SINGLE PAIR XLPE/PVC SHIELDED CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01PC2-A-2XOSYu	XLPE	0.5	0.50	0.80	7.45	43
01PC2-A-YaOSYu	PVC		0.60		7.85	50
01PC2-B-2XOSYu	XLPE	0.75	0.60	0.80	8.25	54
01PC2-B-YaOSYu	PVC				8.58	58
01PC2-C-2XOSYu	XLPE	1.0	0.60	0.80	8.60	61
01PC2-C-YaOSYu	PVC				8.65	65
01PC2-D-XFOSYu	XLPE	1.5	0.60	0.80	9.15	73
01PC2-D-YaOSYu	PVC				9.78	78
01PC2-E-XFOSYu	XLPE	2.5	0.70	0.90	10.25	101
01PC2-E-YaOSYu	PVC				10.70	107

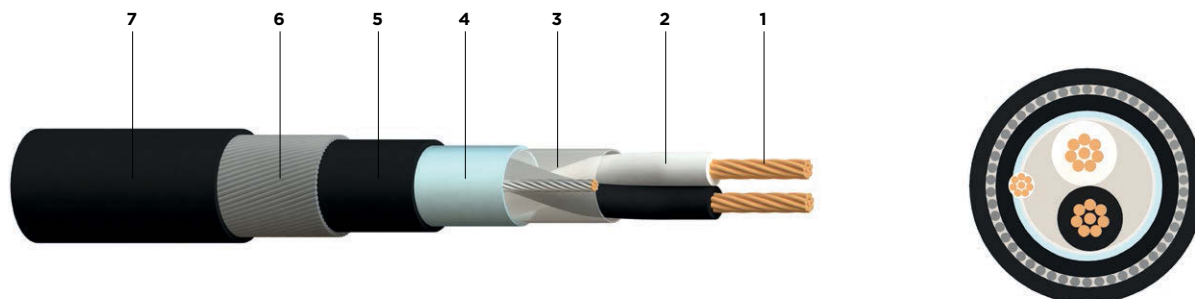
SINGLE TRIAD XLPE/PVC SHIELDED CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor size (mm ²)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01TC2-A-2XOSYu	XLPE	0.5	0.50	0.80	7.75	51
01TC2-A-YaOSYu	PVC		0.60		8.20	61
01TC2-B-2XOSYu	XLPE	0.75	0.60	0.80	8.65	66
01TC2-B-YaOSYu	PVC				8.72	72
01TC2-C-2XOSYu	XLPE	1.0	0.60	0.80	9.00	76
01TC2-C-YaOSYu	PVC				9.82	82
01TC2-D-2XOSYu	XLPE	1.5	0.60	0.80	9.60	94
01TC2-D-YaOSYu	PVC				10.10	101
01TC2-E-2XOSYu	XLPE	2.5	0.70	0.80	10.75	132
01TC2-E-YaOSYu	PVC				11.41	141

- Note:**
- 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 - 2.) Other conductor sizes and Pair/triad counts are available upon request.
 - 3.) Other jacket materials are available upon request.
 - 4.) Standard Cutting length 1000m ± 5%, other lengths are available upon request.

The information given in this leaflet is correct to the best of our knowledge and given in good faith, however the right is reserved to make alterations without prior notice.

1. **Conductor:** Plain/Tinned Stranded Copper conductor.
2. **Insulation:** PVC 90°C, XLPE 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay, applied with polyester wrapping tape.
4. **Individual Screening/Shield:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
5. **Inner Jacket:** Poly Vinyl Chloride Flame Retardant.
6. **Armour:** Galvanised Round Steel Wires.
7. **Jacket:** Poly Vinyl Chloride Flame Retardant (Black).



SINGLE PAIR SHIELDED - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

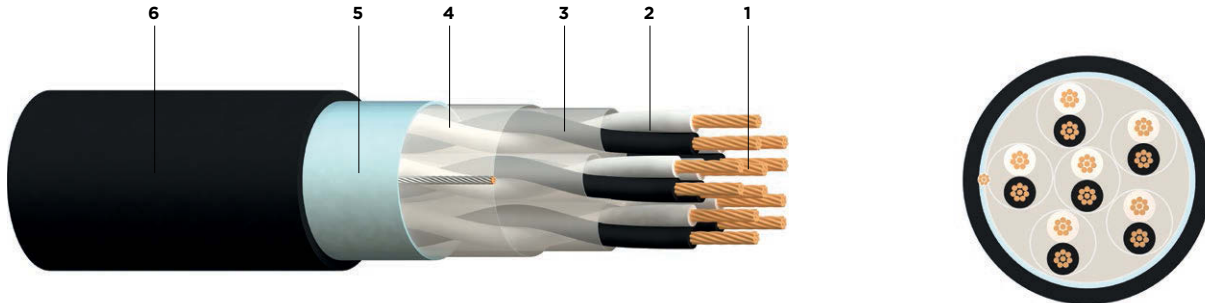
SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01PC2-A-2XOSSWYu	XLPE	0.5	0.50	0.80	0.90	1.30	12.00	211
01PC2-A-YaOSSWYu	PVC		0.60				12.40	231
01PC2-B-2XOSSWYu	XLPE	0.75	0.60	0.80	0.90	1.30	12.80	243
01PC2-B-YaOSSWYu	PVC						12.80	247
01PC2-C-2XOSSWYu	XLPE	1.0	0.60	0.80	0.90	1.30	13.15	257
01PC2-C-YaOSSWYu	PVC						13.15	262
01PC2-D-2XOSSWYu	XLPE	1.5	0.60	0.80	0.90	1.40	13.90	292
01PC2-D-YaOSSWYu	PVC						13.90	297
01PC2-E-2XOSSWYu	XLPE	2.5	0.60	0.90	0.90	1.50	15.20	356
01PC2-E-YaOSSWYu	PVC						15.20	362

SINGLE TRIAD SHIELDED - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01TC2-A-2XOSSWYu	XLPE	0.5	0.50	0.80	0.90	1.30	12.30	227
01TC2-A-YaOSSWYu	PVC		0.60				12.70	249
01TC2-B-2XOSSWYu	XLPE	0.75	0.60	0.80	0.90	1.30	13.15	263
01TC2-B-YaOSSWYu	PVC						13.15	269
01TC2-C-2XOSSWYu	XLPE	1.0	0.60	0.80	0.90	1.30	13.55	286
01TC2-C-YaOSSWYu	PVC						13.55	297
01TC2-D-2XOSSWYu	XLPE	1.5	0.60	0.80	0.90	1.40	14.35	325
01TC2-D-YaOSSWYu	PVC						14.35	333
01TC2-E-2XOSSWYu	XLPE	2.5	0.60	0.90	0.90	1.50	15.70	401
01TC2-E-YaOSSWYu	PVC						15.70	410

- Note:** 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 2.) Other conductor sizes and Pair/triad counts are available upon request.
 3.) Other jacket materials are available upon request.
 4.) Standard Cutting length 1000m ± 5%, other lengths are available upon request.

1. **Conductor:** Plain/Tinned Stranded Copper conductor.
2. **Insulation:** XLPE FR 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay.
4. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
5. **Overall Screening:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
6. **Jacket:** Poly Vinyl Chloride Flame Retardant (Black).



MULTI PAIR XLPE/PVC UNSHIELDED WITH OVERALL SHIELD CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-A-2XOSYu	XLPE	0.5	2	0.50	0.80	9.90	69
02PC2-A-YaOSYu	PVC			0.60		10.55	81
04PC2-A-2XOSYu	XLPE	0.5	4	0.50	1.10	11.85	120
04PC2-A-YaOSYu	PVC			0.60		12.65	144
08PC2-A-2XOSYu	XLPE	0.5	8	0.50	1.20	15.30	204
08PC2-A-YaOSYu	PVC			0.60		16.45	251
10PC2-A-2XOSYu	XLPE	0.5	10	0.50	1.20	17.05	245
10PC2-A-YaOSYu	PVC			0.60		18.35	302
12PC2-A-2XOSYu	XLPE	0.5	12	0.50	1.20	17.55	276
12PC2-A-YaOSYu	PVC			0.60		18.90	344
24PC2-A-2XOSYu	XLPE	0.5	24	0.50	1.30	23.55	497
24PC2-A-YaOSYu	PVC			0.60		25.50	628
36PC2-A-2XOSYu	XLPE	0.5	36	0.50	1.30	26.70	688
36PC2-A-YaOSYu	PVC			0.60		29.00	880
02PC2-B-2XOSYu	XLPE	0.75	2	0.60	0.80	11.25	89
02PC2-B-YaOSYu	PVC			0.60		97	
04PC2-B-2XOSYu	XLPE	0.75	4	0.60	1.20	13.70	165
04PC2-B-YaOSYu	PVC			0.60		181	
08PC2-B-2XOSYu	XLPE	0.75	8	0.60	1.20	17.65	276
08PC2-B-YaOSYu	PVC			0.60		308	
10PC2-B-2XOSYu	XLPE	0.75	10	0.60	1.20	19.75	333
10PC2-B-YaOSYu	PVC			0.60		372	
12PC2-B-2XOSYu	XLPE	0.75	12	0.60	1.20	20.35	372
12PC2-B-YaOSYu	PVC			0.60		426	
24PC2-B-2XOSYu	XLPE	0.75	24	0.60	1.50	28.00	724
24PC2-B-YaOSYu	PVC			0.60		817	
36PC2-B-2XOSYu	XLPE	0.75	36	0.60	1.50	31.85	1008
36PC2-B-YaOSYu	PVC			0.60		1148	
02PC2-C-2XOSYu	XLPE	1.0	2	0.60	0.80	11.80	103
02PC2-C-YaOSYu	PVC			0.60		111	
04PC2-C-2XOSYu	XLPE	1.0	4	0.60	1.20	14.35	192
04PC2-C-YaOSYu	PVC			0.60		209	
08PC2-C-2XOSYu	XLPE	1.0	8	0.60	1.20	18.60	327
08PC2-C-YaOSYu	PVC			0.60		361	
10PC2-C-2XOSYu	XLPE	1.0	10	0.60	1.20	20.85	396
10PC2-C-YaOSYu	PVC			0.60		439	
12PC2-C-2XOSYu	XLPE	1.0	12	0.60	1.20	21.50	453
12PC2-C-YaOSYu	PVC			0.60		505	
24PC2-C-XOSYu	XLPE	1.0	24	0.60	1.50	29.65	870
24PC2-C-YaOSYu	PVC			0.60		973	
36PC2-C-XFOSYu	XLPE	1.0	36	0.60	1.50	33.75	1222
36PC2-C-YaOSYu	PVC			0.60		1377	

The information given in this leaflet is correct to the best of our knowledge and given in good faith, however the right is reserved to make alterations without prior notice.

MULTI PAIR XLPE/PVC UNSHIELDED WITH OVERALL SHIELD CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-D-XFOSYu	XLPE	1.5	2	0.60	0.90	12.95	134
02PC2-D-YaOSYu	PVC						144
04PC2-D-XFOSYu	XLPE	1.5	4	0.60	1.20	15.45	240
04PC2-D-YaOSYu	PVC						260
08PC2-D-XFOSYu	XLPE	1.5	8	0.60	1.30	20.40	430
08PC2-D-YaOSYu	PVC						470
10PC2-D-XFOSYu	XLPE	1.5	10	0.60	1.30	22.90	522
10PC2-D-YaOSYu	PVC						572
12PC2-D-XFOSYu	XLPE	1.5	12	0.60	1.30	23.65	601
12PC2-D-YaOSYu	PVC						660
24PC2-D-XFOSYu	XLPE	1.5	24	0.60	1.50	32.45	1138
24PC2-D-YaOSYu	PVC						1256
36PC2-D-XFOSYu	XLPE	1.5	36	0.60	1.70	37.40	1657
36PC2-D-YaOSYu	PVC						1834
02PC2-E-XFOSYu	XLPE	2.5	2	0.70	1.0	14.55	187
02PC2-E-YaOSYu	PVC						199
04PC2-E-XFOSYu	XLPE	2.5	4	0.70	1.30	17.40	337
04PC2-E-YaOSYu	PVC						361
08PC2-E-XFOSYu	XLPE	2.5	8	0.70	1.40	23.00	613
08PC2-E-YaOSYu	PVC						660
10PC2-E-XFOSYu	XLPE	2.5	10	0.70	1.40	25.90	747
10PC2-E-YaOSYu	PVC						807
12PC2-E-XFOSYu	XLPE	2.5	12	0.70	1.40	26.75	865
12PC2-E-YaOSYu	PVC						936
24PC2-E-XFOSYu	XLPE	2.5	24	0.70	1.60	36.85	1651
24PC2-E-YaOSYu	PVC						1793
36PC2-E-XFOSYu	XLPE	2.5	36	0.70	1.80	42.55	2412
36PC2-E-YaOSYu	PVC						2625

MULTI TRIAD UNSHIELDED WITH OVERALL SHIELD CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-A-2XOSYu	XLPE	0.5	2	0.50	0.80	10.80	87
02TC2-A-YaOSYu	PVC			0.60		11.55	105
04TC2-A-2XOSYu	XLPE	0.5	4	0.50	1.10	12.95	155
04TC2-A-YaOSYu	PVC			0.60		13.85	190
08TC2-A-2XOSYu	XLPE	0.5	8	0.50	1.20	16.90	271
08TC2-A-YaOSYu	PVC			0.60		18.20	338
10TC2-A-2XOSYu	XLPE	0.5	10	0.50	1.20	18.90	327
10TC2-A-YaOSYu	PVC			0.60		20.40	410
12TC2-A-2XOSYu	XLPE	0.5	12	0.50	1.20	19.45	373
12TC2-A-YaOSYu	PVC			0.60		21.00	471
24TC2-A-2XOSYu	XLPE	0.5	24	0.50	1.30	26.30	685
24TC2-A-YaOSYu	PVC			0.60		28.55	876
36TC2-A-2XOSYu	XLPE	0.5	36	0.50	1.30	29.90	964
36TC2-A-YaOSYu	PVC			0.60		32.55	1245
02TC2-B-2XOSYu	XLPE	0.75	2	0.60	0.80	12.35	115
02TC2-B-YaOSYu	PVC			0.60		127	
04TC2-B-2XOSYu	XLPE	0.75	4	0.60	1.20	15.05	216
04TC2-B-YaOSYu	PVC			0.60		240	
08TC2-B-2XOSYu	XLPE	0.75	8	0.60	1.20	19.55	374
08TC2-B-YaOSYu	PVC			0.60		420	
10TC2-B-2XOSYu	XLPE	0.75	10	0.60	1.20	21.95	453
10TC2-B-YaOSYu	PVC			0.60		512	
12TC2-B-2XOSYu	XLPE	0.75	12	0.60	1.20	22.65	521
12TC2-B-YaOSYu	PVC			0.60		591	
24TC2-B-2XOSYu	XLPE	0.75	24	0.60	1.50	31.35	1003
24TC2-B-YaOSYu	PVC			0.60		1144	
36TC2-B-2XOSYu	XLPE	0.75	36	0.60	1.50	35.70	1418
36TC2-B-YaOSYu	PVC			0.60		1629	

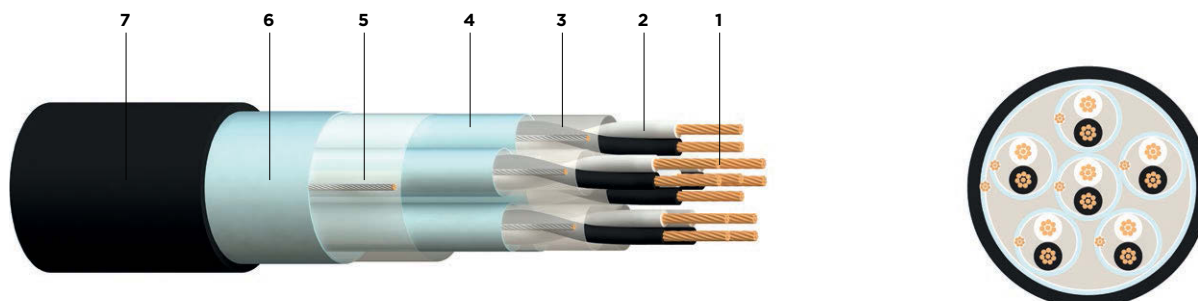
MULTI TRIAD UNSHIELDED WITH OVERALL SHIELD CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-A-2XOSYu	XLPE	1.0	2	0.60	0.80	11.80	103
02PC2-A-YaOSYu	PVC						111
04PC2-A-2XOSYu	XLPE	1.0	4	0.60	1.20	14.35	192
04PC2-A-YaOSYu	PVC						209
08PC2-A-2XOSYu	XLPE	1.0	8	0.60	1.20	18.60	327
08PC2-A-YaOSYu	PVC						361
10PC2-A-2XOSYu	XLPE	1.0	10	0.60	1.20	20.85	396
10PC2-A-YaOSYu	PVC						439
12PC2-A-2XOSYu	XLPE	1.0	12	0.60	1.20	21.50	453
12PC2-A-YaOSYu	PVC						505
24PC2-A-2XOSYu	XLPE	1.0	24	0.60	1.50	29.65	870
24PC2-A-YaOSYu	PVC						973
36PC2-A-2XOSYu	XLPE	1.0	36	0.60	1.50	33.75	1222
36PC2-A-YaOSYu	PVC						1377
02PC2-B-2XOSYu	XLPE	1.5	2	0.60	0.90	12.95	134
02PC2-B-YaOSYu	PVC						144
04PC2-B-2XOSYu	XLPE	1.5	4	0.60	1.20	15.45	240
04PC2-B-YaOSYu	PVC						260
08PC2-B-2XOSYu	XLPE	1.5	8	0.60	1.30	20.40	430
08PC2-B-YaOSYu	PVC						470
10PC2-B-2XOSYu	XLPE	1.5	10	0.60	1.30	22.90	522
10PC2-B-YaOSYu	PVC						572
12PC2-B-2XOSYu	XLPE	1.5	12	0.60	1.30	23.65	601
12PC2-B-YaOSYu	PVC						660
24PC2-B-2XOSYu	XLPE	1.5	24	0.60	1.50	32.45	1138
24PC2-B-YaOSYu	PVC						1256
36PC2-B-2XOSYu	XLPE	1.5	36	0.60	1.70	37.40	1657
36PC2-B-YaOSYu	PVC						1834
02PC2-C-2XOSYu	XLPE	2.5	2	0.70	1.0	14.55	187
02PC2-C-YaOSYu	PVC						199
04PC2-C-2XOSYu	XLPE	2.5	4	0.70	1.30	17.40	337
04PC2-C-YaOSYu	PVC						361
08PC2-C-2XOSYu	XLPE	2.5	8	0.70	1.40	23.00	613
08PC2-C-YaOSYu	PVC						660
10PC2-C-2XOSYu	XLPE	2.5	10	0.70	1.40	25.90	747
10PC2-C-YaOSYu	PVC						807
12PC2-C-2XOSYu	XLPE	2.5	12	0.70	1.40	26.75	865
12PC2-C-YaOSYu	PVC						936
24PC2-C-XOSYu	XLPE	2.5	24	0.70	1.60	36.85	1651
24PC2-C-YaOSYu	PVC						1793
36PC2-C-XFOSYu	XLPE	2.5	36	0.70	1.80	42.55	2412
36PC2-C-YaOSYu	PVC						2625

- Note:** 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 2.) Other conductor sizes and Pair/triad counts are available upon request.
 3.) Other jacket materials are available upon request.
 4.) Standard Cutting length 1000m ± 5%, other lengths are available upon request.

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1. **Conductor:** Plain/Tinned Stranded Copper conductor.
2. **Insulation:** PVC 90°C, XLPE 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay.
4. **Individual Screening/Shield:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
5. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
6. **Overall Screening:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
7. **Jacket:** Poly Vinyl Chloride Flame Retardant (Black).



MULTI PAIR WITH INDIVIDUAL AND OVERALL SHIELD CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-A-2XISYu	XLPE	0.5	2	0.50	0.90	10.65	90
02PC2-A-YaISYu	PVC			0.60		11.35	103
04PC2-A-2XISYu	XLPE	0.5	4	0.50	1.20	12.75	158
04PC2-A-YaISYu	PVC			0.60		13.55	183
08PC2-A-2XISYu	XLPE	0.5	8	0.50	1.20	16.25	267
08PC2-A-YaISYu	PVC			0.60		17.40	313
10PC2-A-2XISYu	XLPE	0.5	10	0.50	1.20	18.10	322
10PC2-A-YaISYu	PVC			0.60		19.45	379
12PC2-A-2XISYu	XLPE	0.5	12	0.50	1.20	18.65	367
12PC2-A-YaISYu	PVC			0.60		20.05	435
24PC2-A-2XISYu	XLPE	0.5	24	0.50	1.30	25.15	676
24PC2-A-YaISYu	PVC			0.60		27.20	807
36PC2-A-2XISYu	XLPE	0.5	36	0.50	1.50	29.00	983
36PC2-A-YaISYu	PVC			0.60		31.35	1177
02PC2-B-2XISYu	XLPE	0.75	2	0.60	1.10	12.45	125
02PC2-B-YaISYu	PVC			0.60		13.3	133
04PC2-B-2XISYu	XLPE	0.75	4	0.60	1.20	14.40	200
04PC2-B-YaISYu	PVC			0.60		16.0	216
08PC2-B-2XISYu	XLPE	0.75	8	0.60	1.30	18.80	353
08PC2-B-YaISYu	PVC			0.60		20.8	385
10PC2-B-2XISYu	XLPE	0.75	10	0.60	1.30	21.05	428
10PC2-B-YaISYu	PVC			0.60		22.5	467
12PC2-B-2XISYu	XLPE	0.75	12	0.60	1.30	21.75	490
12PC2-B-YaISYu	PVC			0.60		23.5	536
24PC2-B-2XISYu	XLPE	0.75	24	0.60	1.70	30.15	952
24PC2-B-YaISYu	PVC			0.60		33.5	1045
36PC2-B-2XISYu	XLPE	0.75	36	0.60	2.00	34.90	1389
36PC2-B-YaISYu	PVC			0.60		39.0	1530
02PC2-C-2XISYu	XLPE	1.0	2	0.60	1.10	13.05	140
02PC2-C-YaISYu	PVC			0.60		14.8	148
04PC2-C-2XISYu	XLPE	1.0	4	0.60	1.20	15.05	227
04PC2-C-YaISYu	PVC			0.60		16.4	244
08PC2-C-2XISYu	XLPE	1.0	8	0.60	1.30	19.80	405
08PC2-C-YaISYu	PVC			0.60		21.9	439
10PC2-C-2XISYu	XLPE	1.0	10	0.60	1.30	22.25	491
10PC2-C-YaISYu	PVC			0.60		24.5	534
12PC2-C-2XISYu	XLPE	1.0	12	0.60	1.30	22.95	564
12PC2-C-YaISYu	PVC			0.60		25.5	616
24PC2-C-2XISYu	XLPE	1.0	24	0.60	1.70	31.85	1101
24PC2-C-YaISYu	PVC			0.60		36.0	1203
36PC2-C-2XISYu	XLPE	1.0	36	0.60	2.00	36.90	1610
36PC2-C-YaISYu	PVC			0.60		41.0	1764

MULTI PAIR WITH INDIVIDUAL AND OVERALL SHIELD CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-D-2XISYu	XLPE	1.5	2	0.60	1.20	14.15	173
02PC2-D-YaISYu	PVC						183
04PC2-D-2XISYu	XLPE	1.5	4	0.60	1.30	16.45	284
04PC2-D-YaISYu	PVC						304
08PC2-D-2XISYu	XLPE	1.5	8	0.60	1.50	21.85	521
08PC2-D-YaISYu	PVC						561
10PC2-D-2XISYu	XLPE	1.5	10	0.60	1.50	24.55	633
10PC2-D-YaISYu	PVC						682
12PC2-D-2XISYu	XLPE	1.5	12	0.60	1.50	25.30	728
12PC2-D-YaISYu	PVC						787
24PC2-D-2XISYu	XLPE	1.5	24	0.60	1.70	34.70	1372
24PC2-D-YaISYu	PVC						1491
36PC2-D-2XISYu	XLPE	1.5	36	0.60	2.00	40.15	2014
36PC2-D-YaISYu	PVC						2192
02PC2-E-2XISYu	XLPE	2.5	2	0.60	1.30	15.85	230
02PC2-E-YaISYu	PVC						242
04PC2-E-2XISYu	XLPE	2.5	4	0.60	1.40	18.40	385
04PC2-E-YaISYu	PVC						409
08PC2-E-2XISYu	XLPE	2.5	8	0.60	1.60	24.55	713
08PC2-E-YaISYu	PVC						760
10PC2-E-2XISYu	XLPE	2.5	10	0.60	1.60	27.65	869
10PC2-E-YaISYu	PVC						928
12PC2-E-2XISYu	XLPE	2.5	12	0.60	1.60	28.55	1005
12PC2-E-YaISYu	PVC						1075
24PC2-E-2XISYu	XLPE	2.5	24	0.60	1.80	39.25	1907
24PC2-E-YaISYu	PVC						2049
36PC2-E-2XISYu	XLPE	2.5	36	0.60	2.10	45.45	2803
36PC2-E-YaISYu	PVC						3016

MULTI TRIAD WITH INDIVIDUAL AND OVERALL SHIELD CABLE - DIMENSIONS AND WEIGHTS

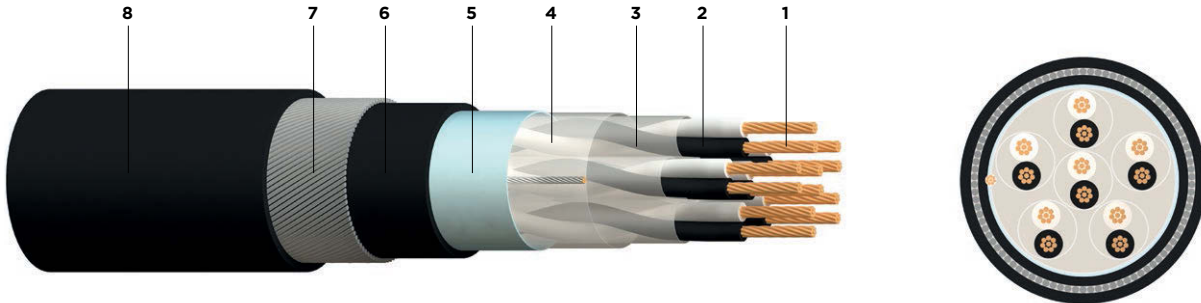
SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-A-2XISYu	XLPE	0.5	2	0.50	0.90	12.05	112
02TC2-A-YaISYu	PVC			0.60		12.85	
04TC2-A-2XISYu	XLPE	0.5	4	0.50	1.20	14.40	198
04TC2-A-YaISYu	PVC			0.60		15.40	
08TC2-A-2XISYu	XLPE	0.5	8	0.50	1.20	18.65	339
08TC2-A-YaISYu	PVC			0.60		20.05	
10TC2-A-2XISYu	XLPE	0.5	10	0.50	1.20	20.90	411
10TC2-A-YaISYu	PVC			0.60		22.55	
12TC2-A-2XISYu	XLPE	0.5	12	0.50	1.20	21.55	472
12TC2-A-YaISYu	PVC			0.60		23.25	
24TC2-A-2XISYu	XLPE	0.5	24	0.50	1.30	29.35	875
24TC2-A-YaISYu	PVC			0.60		31.80	
36TC2-A-2XISYu	XLPE	0.5	36	0.50	1.50	33.90	1082
36TC2-A-YaISYu	PVC			0.60		36.75	
02TC2-B-2XISYu	XLPE	0.75	2	0.60	1.10	14.10	156
02TC2-B-YaISYu	PVC						168
04TC2-B-2XISYu	XLPE	0.75	4	0.60	1.20	16.40	256
04TC2-B-YaISYu	PVC						280
08TC2-B-2XISYu	XLPE	0.75	8	0.60	1.30	21.70	459
08TC2-B-YaISYu	PVC						506
10TC2-B-2XISYu	XLPE	0.75	10	0.60	1.30	24.45	558
10TC2-B-YaISYu	PVC						616
12TC2-B-2XISYu	XLPE	0.75	12	0.60	1.30	25.25	642
12TC2-B-YaISYu	PVC						712
24TC2-B-2XISYu	XLPE	0.75	24	0.60	1.70	35.15	1252
24TC2-B-YaISYu	PVC						1393
36TC2-B-2XISYu	XLPE	0.75	36	0.60	2.00	40.75	1833
36TC2-B-YaISYu	PVC						2044

MULTI TRIAD UNSHIELDED WITH OVERALL SHIELD CABLE – DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-C-2XISYu	XLPE	1.0	2	0.60	1.10	14.85	178
02TC2-C-YaISYu	PVC						190
04TC2-C-2XISYu	XLPE	1.0	4	0.60	1.20	17.25	295
04TC2-C-YaISYu	PVC						321
08TC2-C-2XISYu	XLPE	1.0	8	0.60	1.30	22.90	534
08TC2-C-YaISYu	PVC						586
10TC2-C-2XISYu	XLPE	1.0	10	0.60	1.30	25.85	651
10TC2-C-YaISYu	PVC						715
12TC2-C-2XISYu	XLPE	1.0	12	0.60	1.30	26.65	751
12TC2-C-YaISYu	PVC						829
24TC2-C-2XISYu	XLPE	1.0	24	0.60	1.70	37.25	1470
24TC2-C-YaISYu	PVC						1625
36TC2-C-2XISYu	XLPE	1.0	36	0.60	2.00	43.15	2157
36TC2-C-YaISYu	PVC						2389
02TC2-D-2XISYu	XLPE	1.5	2	0.60	1.20	16.15	224
02TC2-D-YaISYu	PVC						238
04TC2-D-2XISYu	XLPE	1.5	4	0.60	1.30	18.85	375
04TC2-D-YaISYu	PVC						405
08TC2-D-2XISYu	XLPE	1.5	8	0.60	1.50	25.30	697
08TC2-D-YaISYu	PVC						757
10TC2-D-2XISYu	XLPE	1.5	10	0.60	1.50	28.50	850
10TC2-D-YaISYu	PVC						924
12TC2-D-2XISYu	XLPE	1.5	12	0.60	1.50	29.45	983
12TC2-D-YaISYu	PVC						1072
24TC2-D-2XISYu	XLPE	1.5	24	0.60	1.70	40.65	1870
24TC2-D-YaISYu	PVC						2047
36TC2-D-2XISYu	XLPE	1.5	36	0.60	2.00	47.15	2752
36TC2-D-YaISYu	PVC						3018
02TC2-E-2XISYu	XLPE	2.5	2	0.60	1.30	18.10	303
02TC2-E-YaISYu	PVC						321
04TC2-E-2XISYu	XLPE	2.5	4	0.60	1.40	21.15	519
04TC2-E-YaISYu	PVC						559
08TC2-E-2XISYu	XLPE	2.5	8	0.60	1.60	28.50	972
08TC2-E-YaISYu	PVC						1043
10TC2-E-2XISYu	XLPE	2.5	10	0.60	1.60	32.20	1189
10TC2-E-YaISYu	PVC						1278
12TC2-E-2XISYu	XLPE	2.5	12	0.60	1.60	33.30	1382
12TC2-E-YaISYu	PVC						1489
24TC2-E-2XISYu	XLPE	2.5	24	0.60	1.80	46.10	2645
24TC2-E-YaISYu	PVC						2858
36TC2-E-2XISYu	XLPE	2.5	36	0.60	2.10	53.45	3900
36TC2-E-YaISYu	PVC						4219

Note: 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 2.) Other conductor sizes and Pair/triad counts are available upon request.
 3.) Other jacket materials are available upon request.
 4.) Standard Cutting length 1000m ± 5%, other lengths are available upon request.

1. **Conductor:** Plain/Tinned Stranded Copper conductor.
2. **Insulation:** PVC 90°C, XLPE 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay.
4. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
5. **Overall Screening:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
6. **Inner Jacket:** Poly Vinyl Chloride Flame Retardant.
7. **Armour:** Galvanised Round Steel Wires.
8. **Jacket:** Poly Vinyl Chloride Flame Retardant (Black).



MULTI PAIR UNSHIELDED WITH OVERALL SHIELD - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-A-2XOSSWYu	XLPE	0.5	2	0.50	0.80	0.90	1.30	14.50	300
02PC2-A-YaOSSWYu	PVC			0.60	0.80	0.90	1.30	15.10	328
04PC2-A-2XOSSWYu	XLPE	0.5	4	0.50	1.10	0.90	1.40	16.60	410
04PC2-A-YaOSSWYu	PVC			0.60	1.10	0.90	1.40	17.40	451
08PC2-A-2XOSSWYu	XLPE	0.5	8	0.50	1.20	0.90	1.60	20.45	603
08PC2-A-YaOSSWYu	PVC			0.60	1.20	1.25	1.60	22.30	783
10PC2-A-2XOSSWYu	XLPE	0.5	10	0.50	1.20	1.25	1.60	22.90	801
10PC2-A-YaOSSWYu	PVC			0.60	1.20	1.25	1.60	23.40	900
12PC2-A-2XOSSWYu	XLPE	0.5	12	0.50	1.20	1.25	1.60	24.20	847
12PC2-A-YaOSSWYu	PVC			0.60	1.20	1.25	1.60	24.75	957
24PC2-A-2XOSSWYu	XLPE	0.5	24	0.50	1.30	1.60	1.70	30.30	1438
24PC2-A-YaOSSWYu	PVC			0.60	1.30	1.60	1.70	32.30	1652
36PC2-A-2XOSSWYu	XLPE	0.5	36	0.50	1.30	1.60	1.80	33.65	1774
36PC2-A-YaOSSWYu	PVC			0.60	1.30	1.60	1.80	36.00	2052
02PC2-B-2XOSSWYu	XLPE	0.75	2	0.60	0.80	0.90	1.40	16.00	364
02PC2-B-YaOSSWYu	PVC								372
04PC2-B-2XOSSWYu	XLPE	0.75	4	0.60	1.20	0.90	1.50	18.65	509
04PC2-B-YaOSSWYu	PVC								524
08PC2-B-2XOSSWYu	XLPE	0.75	8	0.60	1.20	1.25	1.70	23.70	861
08PC2-B-YaOSSWYu	PVC								892
10PC2-B-2XOSSWYu	XLPE	0.75	10	0.60	1.20	1.60	1.70	26.50	1112
10PC2-B-YaOSSWYu	PVC								1151
12PC2-B-2XOSSWYu	XLPE	0.75	12	0.60	1.20	1.60	1.70	37.10	1195
12PC2-B-YaOSSWYu	PVC								1242
24PC2-B-2XOSSWYu	XLPE	0.75	24	0.60	1.50	1.60	1.80	35.00	1871
24PC2-B-YaOSSWYu	PVC								1964
36PC2-B-2XOSSWYu	XLPE	0.75	36	0.60	1.50	2.00	2.00	40.00	2584
36PC2-B-YaOSSWYu	PVC								2724
02PC2-C-2XOSSWYu	XLPE	1.0	2	0.60	0.80	0.90	1.40	16.55	387
02PC2-C-YaOSSWYu	PVC								396
04PC2-C-2XOSSWYu	XLPE	1.0	4	0.60	1.20	0.90	1.50	19.30	551
04PC2-C-YaOSSWYu	PVC								569
08PC2-C-2XOSSWYu	XLPE	1.0	8	0.60	1.20	1.25	1.70	24.65	941
08PC2-C-YaOSSWYu	PVC								975
10PC2-C-2XOSSWYu	XLPE	1.0	10	0.60	1.20	1.60	1.70	27.60	1217
10PC2-C-YaOSSWYu	PVC								1260
12PC2-C-2XOSSWYu	XLPE	1.0	12	0.60	1.20	1.60	1.70	28.30	1312
12PC2-C-YaOSSWYu	PVC								1364
24PC2-C-2XOSSWYu	XLPE	1.0	24	0.60	1.50	1.60	1.80	36.65	2081
24PC2-C-YaOSSWYu	PVC								2184
36PC2-C-2XOSSWYu	XLPE	1.0	36	0.60	1.50	2.00	2.00	42.00	2894
36PC2-C-YaOSSWYu	PVC								3042

MULTI PAIR UNSHIELDED WITH OVERALL SHIELD - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-D-2XOSSWYu	XLPE	1.5	2	0.60	0.90	0.90	1.40	17.65	448
02PC2-D-YaOSSWYu	PVC								458
04PC2-D-2XIOSWYu	XLPE	1.5	4	0.60	1.20	0.90	1.60	20.65	641
04PC2-D-YaOSSWYu	PVC								660
08PC2-D-2XOSSWYu	XLPE	1.5	8	0.60	1.30	1.60	1.80	37.35	1261
08PC2-D-YaOSSWYu	PVC								1301
10PC2-D-2XOSSWYu	XLPE	1.5	10	0.60	1.30	1.60	1.80	29.90	1459
10PC2-D-YaOSSWYu	PVC								1508
12PC2-D-2XOSSWYu	XLPE	1.5	12	0.60	1.30	1.60	1.80	30.60	1560
12PC2-D-YOISSWYu	PVC								1619
24PC2-D-2XOSSWYu	XLPE	1.5	24	0.60	1.50	2.00	2.00	40.65	2745
24PC2-D-YaOSSWYu	PVC								2864
36PC2-D-2XOSSWYu	XLPE	1.5	36	0.60	1.70	2.00	2.10	45.80	3543
36PC2-D-YaOSSWYu	PVC								3721
02PC2-E-2XOSSWYu	XLPE	2.5	2	0.60	1.00	0.90	1.50	19.50	553
02PC2-E-YaOSSWYu	PVC								565
04PC2-E-2XOSSWYu	XLPE	2.5	4	0.60	1.30	1.25	1.70	23.45	910
04PC2-E-YaOSSWYu	PVC								933
08PC2-E-2XOSSWYu	XLPE	2.5	8	0.60	1.40	1.60	1.90	30.70	1567
08PC2-E-YaOSSWYu	PVC								1614
10PC2-E-2XOSSWYu	XLPE	2.5	10	0.60	1.40	1.60	1.90	33.10	1812
10PC2-E-YaOSSWYu	PVC								1871
12PC2-E-2XOSSWYu	XLPE	2.5	12	0.60	1.40	1.60	1.90	33.95	1970
12PC2-E-YaOSSWYu	PVC								2041
24PC2-E-2XOSSWYu	XLPE	2.5	24	0.60	1.60	2.00	2.10	45.30	3507
24PC2-E-YaOSSWYu	PVC								2649
36PC2-E-2XOSSWYu	XLPE	2.5	36	0.60	1.80	2.50	2.20	52.15	4984
36PC2-E-YaOSSWYu	PVC								5197

MULTI TRIAD UNSHIELDED WITH OVERALL SHIELD - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

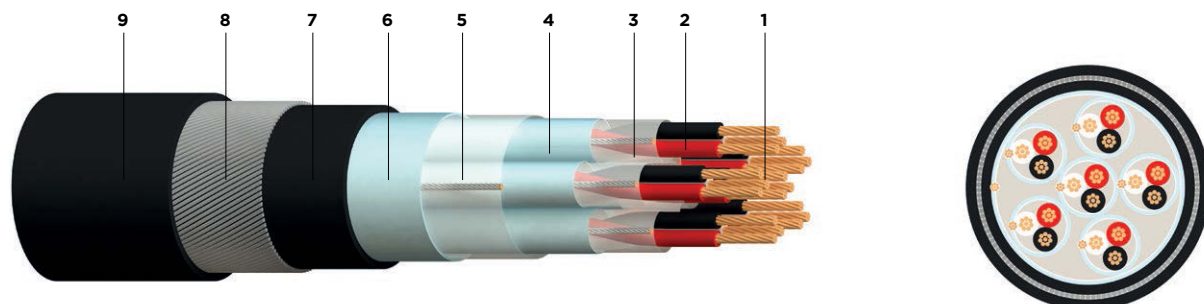
SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-A-2XOSSWYu	XLPE	0.5	2	0.50	0.80	0.90	1.30	15.35	341
02TC2-A-YaOSSWYu	PVC			0.60	0.80	0.90	1.30	16.10	379
04TC2-A-2XOSSWYu	XLPE	0.5	4	0.50	1.10	0.90	1.40	18.60	473
04TC2-A-YaOSSWYu	PVC			0.60	1.10	0.90	1.40	17.70	530
08TC2-A-2XOSSWYu	XLPE	0.5	8	0.50	1.20	0.90	1.60	22.75	818
08TC2-A-YaOSSWYu	PVC			0.60	1.20	1.25	1.60	24.05	925
10TC2-A-2XOSSWYu	XLPE	0.5	10	0.50	1.20	1.25	1.60	24.75	940
10TC2-A-YaOSSWYu	PVC			0.60	1.20	1.25	1.60	26.95	1011
12TC2-A-2XOSSWYu	XLPE	0.5	12	0.50	1.20	1.25	1.60	25.35	1212
12TC2-A-YaOSSWYu	PVC			0.60	1.20	1.60	1.60	27.60	1295
24TC2-A-2XOSSWYu	XLPE	0.5	24	0.50	1.30	1.60	1.70	33.10	1733
24TC2-A-YaOSSWYu	PVC			0.60	1.30	1.60	1.70	55.35	2025
36TC2-A-2XOSSWYu	XLPE	0.5	36	0.50	1.30	1.60	1.80	36.90	2178
36TC2-A-YaOSSWYu	PVC			0.60	1.30	2.00	1.80	40.35	2808
02TC2-B-2XOSSWYu	XLPE	0.75	2	0.60	0.80	0.90	1.40	17.10	414
02TC2-B-YaOSSWYu	PVC								426
04TC2-B-2XOSSWYu	XLPE	0.75	4	0.60	1.20	0.90	1.50	20.00	597
04TC2-B-YaOSSWYu	PVC								620
08TC2-B-2XOSSWYu	XLPE	0.75	8	0.60	1.20	1.25	1.70	26.30	1150
08TC2-B-YaOSSWYu	PVC								1197
10TC2-B-2XOSSWYu	XLPE	0.75	10	0.60	1.20	1.60	1.70	28.70	1332
10TC2-B-YaOSSWYu	PVC								1390
12TC2-B-2XOSSWYu	XLPE	0.75	12	0.60	1.20	1.60	1.70	29.40	1422
12TC2-B-YaOSSWYu	PVC								1493
24TC2-B-2XOSSWYu	XLPE	0.75	24	0.60	1.50	1.60	1.80	39.10	2505
24TC2-B-YaOSSWYu	PVC								2645
36TC2-B-2XOSSWYu	XLPE	0.75	36	0.60	1.50	2.00	2.00	43.90	3186
36TC2-B-YaOSSWYu	PVC								3397
02TC2-C-2XOSSWYu	XLPE	1.0	2	0.60	0.80	0.90	1.40	17.75	453
02TC2-C-YaOSSWYu	PVC								466
04TC2-C-2XOSSWYu	XLPE	1.0	4	0.60	1.20	0.90	1.50	51.45	750
04TC2-C-YaOSSWYu	PVC								776
08TC2-C-2XOSSWYu	XLPE	1.0	8	0.60	1.20	1.25	1.70	27.40	1266
08TC2-C-YaOSSWYu	PVC								1317
10TC2-C-2XOSSWYu	XLPE	1.0	10	0.60	1.20	1.60	1.70	30.00	1468
10TC2-C-YaOSSWYu	PVC								1532
12TC2-C-2XOSSWYu	XLPE	1.0	12	0.60	1.20	1.60	1.70	30.75	1591
12TC2-C-YaOSSWYu	PVC								1668
24TC2-C-2XOSSWYu	XLPE	1.0	24	0.60	1.50	1.60	1.80	41.05	2813
24TC2-C-YaOSSWYu	PVC								2968
36TC2-C-2XOSSWYu	XLPE	1.0	36	0.60	1.50	2.00	2.00	46.15	3627
36TC2-C-YaOSSWYu	PVC								3858

MULTI TRIAD UNSHIELDED WITH OVERALL SHIELD - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-D-2XOSSWYu	XLPE	1.5	2	0.60	0.90	0.90	1.40	19.00	526
02TC2-D-YaOSSWYu	PVC								541
04TC2-D-2XOSSWYu	XLPE	1.5	4	0.60	1.20	0.90	1.60	22.95	882
04TC2-D-YaOSSWYu	PVC								911
08TC2-D-2XOSSWYu	XLPE	1.5	8	0.60	1.30	1.60	1.80	29.65	1512
08TC2-D-YaOSSWYu	PVC								1571
10TC2-D-2XOSSWYu	XLPE	1.5	10	0.60	1.30	1.60	1.80	32.50	1767
10TC2-D-YaOSSWYu	PVC								1841
12TC2-D-2XOSSWYu	XLPE	1.5	12	0.60	1.30	1.60	1.80	33.35	1908
12TC2-D-YaOSSWYu	PVC								1997
24TC2-D-2XOSSWYu	XLPE	1.5	24	0.60	1.50	2.00	2.00	44.60	3412
24TC2-D-YaOSSWYu	PVC								3589
36TC2-D-2XOSSWYu	XLPE	1.5	36	0.60	1.70	2.00	2.10	51.45	4858
36TC2-D-YaOSSWYu	PVC								5124
02TC2-E-2XOSSWYu	XLPE	2.5	2	0.60	1.00	0.90	1.50	21.75	759
02TC2-E-YaOSSWYu	PVC								777
04TC2-E-2XOSSWYu	XLPE	2.5	4	0.60	1.30	1.25	1.70	25.30	1101
04TC2-E-YaOSSWYu	PVC								1137
08TC2-E-2XOSSWYu	XLPE	2.5	8	0.60	1.40	1.60	1.90	32.85	1918
08TC2-E-YaOSSWYu	PVC								1989
10TC2-E-2XOSSWYu	XLPE	2.5	10	0.60	1.40	1.60	1.90	36.15	2243
10TC2-E-YaOSSWYu	PVC								2331
12TC2-E-2XOSSWYu	XLPE	2.5	12	0.60	1.40	1.60	1.90	37.15	2460
12TC2-E-YaOSSWYu	PVC								2566
24TC2-E-2XOSSWYu	XLPE	2.5	24	0.60	1.60	2.00	2.10	50.85	4850
24TC2-E-YaOSSWYu	PVC								5063
36TC2-E-2XOSSWYu	XLPE	2.5	36	0.60	1.80	2.50	2.20	57.55	6376
36TC2-E-YaOSSWYu	PVC								6695

Note: 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 2.) Other conductor sizes and Pair/triad counts are available upon request.
 3.) Other jacket materials are available upon request.
 4.) Standard Cutting length 1000m ± 5%, other lengths are available upon request.

- Conductor:** Plain/Tinned Stranded Copper conductor.
- Insulation:** PVC 90°C, XLPE 90°C.
- Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay.
- Individual Screening/Shield:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
- Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
- Overall Screening:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
- Inner Jacket:** Poly Vinyl Chloride Flame Retardant.
- Armour:** Galvanised Round Steel Wires.
- Jacket:** Poly Vinyl Chloride Flame Retardant (Black).



MULTI PAIR WITH INDIVIDUAL AND OVERALL SHIELD - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-A-2XISSWYu	XLPE	0.5	2	0.50	0.90	0.90	1.40	15.40	345
02PC2-A-YaISSWYu	PVC			0.60	0.90	0.90	1.40	16.05	379
04PC2-A-2XISSWYu	XLPE	0.5	4	0.50	1.20	0.90	1.50	17.65	480
04PC2-A-YaISSWYu	PVC			0.60	1.20	0.90	1.50	18.50	526
08PC2-A-2XISSWYu	XLPE	0.5	8	0.50	1.20	1.25	1.70	22.30	809
08PC2-A-YaISSWYu	PVC			0.60	1.20	1.25	1.70	23.50	886
10PC2-A-2XISSWYu	XLPE	0.5	10	0.50	1.20	1.25	1.70	24.20	921
10PC2-A-YaISSWYu	PVC			0.60	1.20	1.25	1.70	25.55	1031
12PC2-A-2XISSWYu	XLPE	0.5	12	0.50	1.20	1.25	1.70	24.75	992
12PC2-A-YaISSWYu	PVC			0.60	1.20	1.60	1.70	26.85	1233
24PC2-A-2XISSWYu	XLPE	0.5	24	0.50	1.30	1.60	1.80	32.15	1698
24PC2-A-YaISSWYu	PVC			0.60	1.30	1.60	1.80	34.15	1913
36PC2-A-2XISSWYu	XLPE	0.5	36	0.50	1.50	1.60	1.90	36.20	2192
36PC2-A-YaISSWYu	PVC			0.60	1.50	2.00	1.90	39.35	2701
02PC2-B-2XISSWYu	XLPE	0.75	2	0.60	1.10	0.90	1.50	17.40	439
02PC2-B-YaISSWYu	PVC			0.60	1.10	0.90	1.50	17.40	447
04PC2-B-2XISSWYu	XLPE	0.75	4	0.60	1.20	0.90	1.60	19.55	570
04PC2-B-YaISSWYu	PVC			0.60	1.20	0.90	1.60	19.55	586
08PC2-B-2XISSWYu	XLPE	0.75	8	0.60	1.30	1.25	1.80	25.10	993
08PC2-B-YaISSWYu	PVC			0.60	1.30	1.25	1.80	25.10	1024
10PC2-B-2XISSWYu	XLPE	0.75	10	0.60	1.30	1.60	1.80	28.05	1282
10PC2-B-YaISSWYu	PVC			0.60	1.30	1.60	1.80	28.05	1321
12PC2-B-2XISSWYu	XLPE	0.75	12	0.60	1.30	1.60	1.80	28.75	1367
12PC2-B-YaISSWYu	PVC			0.60	1.30	1.60	1.80	28.75	1414
24PC2-B-2XISSWYu	XLPE	0.75	24	0.60	1.70	1.60	2.00	37.55	2225
24PC2-B-YaISSWYu	PVC			0.60	1.70	1.60	2.00	37.55	2319
36PC2-B-2XISSWYu	XLPE	0.75	36	0.60	2.00	2.00	2.20	43.50	3171
36PC2-B-YaISSWYu	PVC			0.60	2.00	2.00	2.20	43.50	3312
02PC2-C-2XISSWYu	XLPE	1.0	2	0.60	1.10	0.90	1.50	18.00	468
02PC2-C-YaISSWYu	PVC			0.60	1.10	0.90	1.50	18.00	476
04PC2-C-2XISSWYu	XLPE	1.0	4	0.60	1.20	0.90	1.60	20.25	619
04PC2-C-YaISSWYu	PVC			0.60	1.20	0.90	1.60	20.25	636
08PC2-C-2XISSWYu	XLPE	1.0	8	0.60	1.30	1.25	1.80	26.80	1199
08PC2-C-YaISSWYu	PVC			0.60	1.30	1.25	1.80	26.80	1233
10PC2-C-2XISSWYu	XLPE	1.0	10	0.60	1.30	1.60	1.80	29.20	1389
10PC2-C-YaISSWYu	PVC			0.60	1.30	1.60	1.80	29.20	1432
12PC2-C-2XISSWYu	XLPE	1.0	12	0.60	1.30	1.60	1.80	29.90	1501
12PC2-C-YaISSWYu	PVC			0.60	1.30	1.60	1.80	29.90	1553
24PC2-C-2XISSWYu	XLPE	1.0	24	0.60	1.70	1.60	2.00	40.05	2677
24PC2-C-YaISSWYu	PVC			0.60	1.70	1.60	2.00	40.05	2780
36PC2-C-2XISSWYu	XLPE	1.0	36	0.60	2.00	2.00	2.20	45.50	3492
36PC2-C-YaISSWYu	PVC			0.60	2.00	2.00	2.20	45.50	3646

MULTI PAIR WITH INDIVIDUAL AND OVERALL SHIELD - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-D-2XISSWYu	XLPE	1.5	2	0.60	1.20	0.90	1.60	19.35	541
02PC2-D-YaISSWYu	PVC								551
04PC2-D-2XISSWYu	XLPE	1.5	4	0.60	1.30	1.25	1.70	22.50	828
04PC2-D-YaISSWYu	PVC								848
08PC2-D-2XISSWYu	XLPE	1.5	8	0.60	1.50	1.60	1.90	29.05	1416
08PC2-D-YaISSWYu	PVC								1455
10PC2-D-2XISSWYu	XLPE	1.5	10	0.60	1.50	1.60	1.90	31.75	1651
10PC2-D-YaISSWYu	PVC								1700
12PC2-D-2XISSWYu	XLPE	1.5	12	0.60	1.50	1.60	1.90	32.50	1770
12PC2-D-YaISSWYu	PVC								1829
24PC2-D-2XISSWYu	XLPE	1.5	24	0.60	1.70	2.00	2.10	43.10	3128
24PC2-D-YaISSWYu	PVC								3246
36PC2-D-2XISSWYu	XLPE	1.5	36	0.60	2.00	2.50	2.40	50.20	4497
36PC2-D-YaISSWYu	PVC								4675
02PC2-E-2XISSWYu	XLPE	2.5	2	0.60	1.30	1.25	1.70	21.90	759
02PC2-E-YaISSWYu	PVC								771
04PC2-E-2XISSWYu	XLPE	2.5	4	0.60	1.40	1.25	1.80	24.65	1010
04PC2-E-YaISSWYu	PVC								1034
08PC2-E-2XISSWYu	XLPE	2.5	8	0.60	1.60	1.60	2.00	31.95	1749
08PC2-E-YaISSWYu	PVC								1796
10PC2-E-2XISSWYu	XLPE	2.5	10	0.60	1.60	1.60	2.00	35.05	2035
10PC2-E-YaISSWYu	PVC								2094
12PC2-E-2XISSWYu	XLPE	2.5	12	0.60	1.60	1.60	2.00	35.95	2212
12PC2-E-YaISSWYu	PVC								2283
24PC2-E-2XISSWYu	XLPE	2.5	24	0.60	1.80	2.00	2.20	47.85	3917
24PC2-E-YaISSWYu	PVC								4059
36PC2-E-2XISSWYu	XLPE	2.5	36	0.60	2.10	2.50	2.50	55.70	5659
36PC2-E-YaISSWYu	PVC								5872

MULTI TRIAD WITH INDIVIDUAL AND OVERALL SHIELD - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

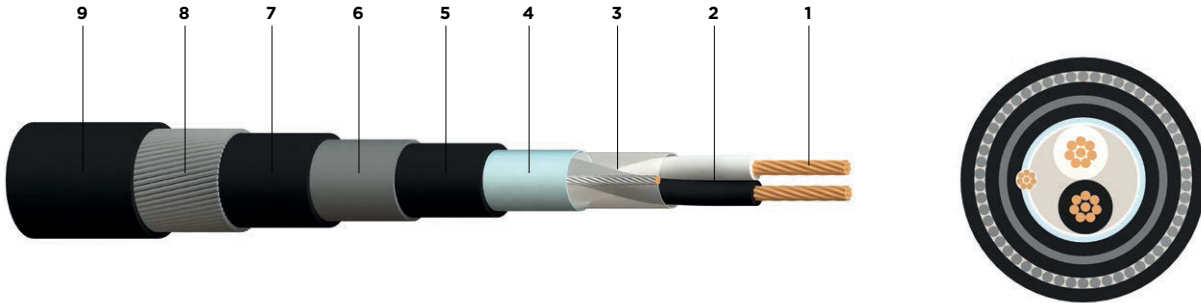
SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-A-2XISWFYu	XLPE	0.5	2	0.60	0.90	0.90	1.40	16.80	403
02TC2-A-YaISSWYu	PVC				0.90	0.90	1.40	17.60	445
04TC2-A-2XISSWYu	XLPE	0.5	4	0.60	1.20	0.90	1.50	19.35	563
04TC2-A-YaISSWYu	PVC				1.20	0.90	1.50	20.35	625
08TC2-A-2XISSWYu	XLPE	0.5	8	0.60	1.20	1.25	1.70	24.75	964
08TC2-A-YaISSWYu	PVC				1.20	1.60	1.70	26.80	1210
10TC2-A-2XISSWYu	XLPE	0.5	10	0.60	1.20	1.60	1.70	27.70	1249
10TC2-A-YaISSWYu	PVC				1.20	1.60	1.70	29.30	1402
12TC2-A-2XISSWYu	XLPE	0.5	12	0.60	1.20	1.60	1.70	28.35	1352
12TC2-A-YaISSWYu	PVC				1.20	1.60	1.70	30.00	1501
24TC2-A-2XISSWYu	XLPE	0.5	24	0.60	1.30	1.60	1.80	36.35	2068
24TC2-A-YaISSWYu	PVC				1.30	2.00	1.80	39.55	2613
36TC2-A-2XISSWYu	XLPE	0.5	36	0.60	1.50	2.00	1.90	41.90	2927
36TC2-A-YaISSWYu	PVC				1.50	2.00	1.90	44.75	3389
02TC2-B-2XISSWYu	XLPE	0.75	2	0.60	1.10	0.90	1.50	19.05	514
02TC2-B-YaISSWYu	PVC								526
04TC2-B-2XISSWYu	XLPE	0.75	4	0.60	1.20	1.25	1.60	22.25	788
04TC2-B-YaISSWYu	PVC								811
08TC2-B-2XISSWYu	XLPE	0.75	8	0.60	1.30	1.60	1.80	28.70	1336
08TC2-B-YaISSWYu	PVC								1383
10TC2-B-2XISSWYu	XLPE	0.75	10	0.60	1.30	1.60	1.80	31.40	1557
10TC2-B-YaISSWYu	PVC								1616
12TC2-B-2XISSWYu	XLPE	0.75	12	0.60	1.30	1.60	1.80	32.20	1664
12TC2-B-YaISSWYu	PVC								1735
24TC2-B-2XISSWYu	XLPE	0.75	24	0.60	1.70	2.00	2.00	43.35	2989
24TC2-B-YaISSWYu	PVC								3129
36TC2-B-2XISSWYu	XLPE	0.75	36	0.60	2.00	2.50	2.20	50.35	4305
36TC2-B-YaISSWYu	PVC								4516
02TC2-C-2XISSWYu	XLPE	1.0	2	0.60	1.10	0.90	1.50	19.75	551
02TC2-C-YaISSWYu	PVC								564
04TC2-C-2XISSWYu	XLPE	1.0	4	0.60	1.20	1.25	1.60	23.10	854
04TC2-C-YaISSWYu	PVC								880
08TC2-C-2XISSWYu	XLPE	1.0	8	0.60	1.30	1.60	1.80	29.90	1471
08TC2-C-YaISSWYu	PVC								1522
10TC2-C-2XISSWYu	XLPE	1.0	10	0.60	1.30	1.60	1.80	32.80	1696
10TC2-C-YaISSWYu	PVC								1760
12TC2-C-2XISSWYu	XLPE	1.0	12	0.60	1.30	1.60	1.80	33.65	1836
12TC2-C-YaISSWYu	PVC								1914
24TC2-C-2XISSWYu	XLPE	1.0	24	0.60	1.70	2.00	2.00	45.45	3330
24TC2-C-YaISSWYu	PVC								3484
36TC2-C-2XISSWYu	XLPE	1.0	36	0.60	2.00	2.50	2.00	52.80	4776
36TC2-C-YaISSWYu	PVC								5007

MULTI TRIAD WITH INDIVIDUAL AND OVERALL SHIELD - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-D-2XISSWYu	XLPE	1.5	2	0.60	1.20	1.25	1.60	22.00	744
02TC2-D-YaISSWYu	PVC								759
04TC2-D-2XISSWYu	XLPE	1.5	4	0.60	1.30	1.25	1.70	24.90	1001
04TC2-D-YaISSWYu	PVC								1301
08TC2-D-2XISSWYu	XLPE	1.5	8	0.60	1.50	1.60	1.90	32.45	1739
08TC2-D-YaISSWYu	PVC								1798
10TC2-D-2XISSWYu	XLPE	1.5	10	0.60	1.50	1.60	1.90	35.70	2037
10TC2-D-YaISSWYu	PVC								2111
12TC2-D-2XISSWYu	XLPE	1.5	12	0.60	1.50	1.60	1.90	36.65	2197
12TC2-D-YaISSWYu	PVC								2286
24TC2-D-2XISSWYu	XLPE	1.5	24	0.60	1.70	2.50	2.10	50.05	4312
24TC2-D-YaISSWYu	PVC								4490
36TC2-D-2XISSWYu	XLPE	1.5	36	0.60	2.00	2.50	2.40	57.15	5677
36TC2-D-YaISSWYu	PVC								5943
02TC2-E-2XISSWYu	XLPE	2.5	2	0.60	1.30	1.25	1.70	24.20	902
02TC2-E-YaISSWYu	PVC								920
04TC2-E-2XISSWYu	XLPE	2.5	4	0.60	1.40	1.60	1.80	28.15	1374
04TC2-E-YaISSWYu	PVC								1410
08TC2-E-2XISSWYu	XLPE	2.5	8	0.60	1.60	1.60	2.00	35.90	2179
08TC2-E-YaISSWYu	PVC								2250
10TC2-E-2XISSWYu	XLPE	2.5	10	0.60	1.60	2.00	2.00	40.40	2797
10TC2-E-YaISSWYu	PVC								2882
12TC2-E-2XISSWYu	XLPE	2.5	12	0.60	1.60	2.00	2.00	41.50	3024
12TC2-E-YaISSWYu	PVC								3131
24TC2-E-2XISSWYu	XLPE	2.5	24	0.60	1.80	2.50	2.20	55.70	5454
24TC2-E-YaISSWYu	PVC								5667
36TC2-E-2XISSWYu	XLPE	2.5	36	0.60	2.10	2.50	2.50	63.70	7256
36TC2-E-YaISSWYu	PVC								7575

Note: 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 2.) Other conductor sizes and Pair/triad counts are available upon request.
 3.) Other jacket materials are available upon request.
 4.) Standard Cutting length 1000m ± 5%, other lengths are available upon request.

1. **Conductor:** Plain/Tinned Stranded Copper conductor.
2. **Insulation:** PVC 90°C, XLPE 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay, applied with a polyester wrapping tape.
4. **Overall Screening:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
5. **Inner Jacket:** Poly Vinyl Chloride Flame Retardant.
6. **Lead Jacket:** Lead Alloy.
7. **Intermediate Jacket:** Poly Vinyl Chloride Flame Retardant.
8. **Armour:** Galvanised Round Steel Wires.
9. **Jacket:** Poly Vinyl Chloride Flame Retardant (Black).



SINGLE PAIR SHIELDED - LEAD JACKET - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

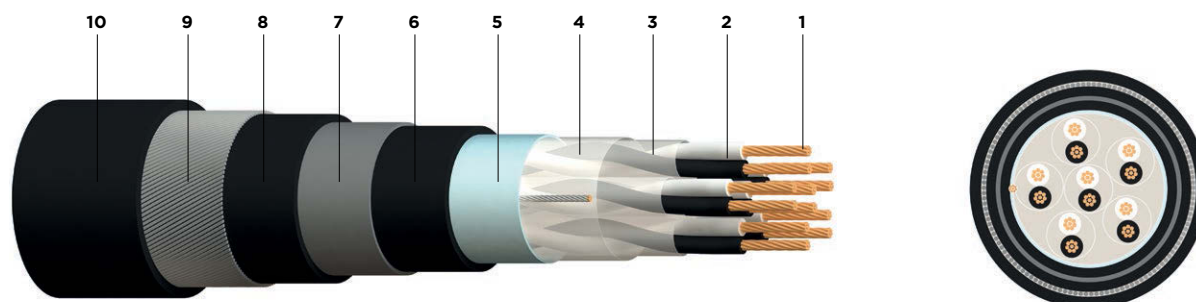
SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Lead Jacket Thickness (mm)	Intermediate Jacket Thickness (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01PC2-A-2XOSLSWYu	XLPE	0.5	0.50	0.80	1.10	0.80	0.90	1.30	16.00	648
01PC2-A-YaOSLSWYu	PVC		0.60						16.35	680
01PC2-B-2XOSLSWYu	XLPE	0.75	0.60	0.80	1.10	0.80	0.90	1.30	16.80	718
01PC2-B-YaOSLSWYu	PVC								722	
01PC2-C-2XOSLSWYu	XLPE	1.0	0.60	0.80	1.10	0.80	0.90	1.30	17.15	748
01PC2-C-YaOSLSWYu	PVC								753	
01PC2-D-2XOSLSWYu	XLPE	1.5	0.60	0.80	1.10	0.90	0.90	1.40	17.90	810
01PC2-D-YaOSLSWYu	PVC								815	
01PC2-E-2XOSLSWYu	XLPE	2.5	0.60	0.90	1.20	0.90	0.90	1.50	19.60	985
01PC2-E-YaOSLSWYu	PVC								991	

SINGLE TRIAD SHIELDED- LEAD JACKET - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Lead Jacket Thickness (mm)	Intermediate Jacket Thickness (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
01TC2-A-2XOSLSWYu	XLPE	0.5	0.50	0.80	1.10	0.80	0.90	1.30	16.30	678
01TC2-A-YaOSLSWYu	PVC		0.60						16.70	721
01TC2-B-2XOSLSWYu	XLPE	0.75	0.60	0.80	1.10	0.80	0.90	1.30	17.15	755
01TC2-B-YaOSLSWYu	PVC								761	
01TC2-C-2XOSLSWYu	XLPE	1.0	0.60	0.80	1.10	0.80	0.90	1.30	17.50	794
01TC2-C-YaOSLSWYu	PVC								800	
01TC2-D-2XOSLSWYu	XLPE	1.5	0.60	0.80	1.10	0.90	0.90	1.40	18.35	964
01TC2-D-YaOSLSWYu	PVC								871	
01TC2-E-2XOSLSWYu	XLPE	2.5	0.60	0.90	1.20	0.90	0.90	1.50	20.10	1056
01TC2-E-YaOSLSWYu	PVC								1065	

- Note:**
1. For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 2. Other conductor sizes are available and pair/triad counts upon request.
 3. Dimensions of cables with Galvanised Double Steel Tape Armour are available upon request.
 4. Other jacket materials are available upon request.
 5. Standard Cutting length 1000m ± 5%. Other lengths are available upon request.

1. **Conductor:** Plain/Tinned Stranded Copper conductor.
2. **Insulation:** PVC 90°C, XLPE 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay.
4. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
5. **Overall Screening:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
6. **Inner Jacket:** Poly Vinyl Chloride Flame Retardant.
7. **Lead Jacket:** Lead Alloy.
8. **Intermediate Jacket:** Poly Vinyl Chloride Flame Retardant.
9. **Armour:** Galvanised Round Steel Wires.
10. **Jacket:** Poly Vinyl Chloride Flame Retardant (Black).



MULTI PAIR UNSHIELDED WITH OVERALL SHIELD - LEAD JACKET- WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of (Pair)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Lead Jacket Thickness (mm)	Intermediate Jacket Thickness (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-A-2XOSLSWYu	XLPE	0.5	2	0.50	0.80	1.10	0.80	0.90	1.30	18.45	850
02PC2-A-YaOSLSWYu	PVC			0.60						19.05	908
04PC2-A-2XOSLSWYu	XLPE	0.5	4	0.50	1.10	1.10	0.80	1.25	1.40	21.30	1155
04PC2-A-YaOSLSWYu	PVC			0.60						22.05	1241
08PC2-A-2XOSLSWYu	XLPE	0.5	8	0.50	1.20	1.10	1.00	1.60	1.60	26.25	1689
08PC2-A-YaOSLSWYu	PVC			0.60						27.40	1830
10PC2-A-2XOSLSWYu	XLPE	0.5	10	0.50	1.20	1.10	1.00	1.60	1.60	28.00	1891
10PC2-A-2XOSLSWYu	PVC			0.60						29.30	2053
12PC2-A-2XOSLSWYu	XLPE	0.5	12	0.50	1.20	1.10	1.00	1.60	1.60	28.50	1965
12PC2-A-YaOSLSWYu	PVC			0.60						29.85	2142
24PC2-A-2XOSLSWYu	XLPE	0.5	24	0.50	1.30	1.30	1.00	1.60	1.70	35.15	2927
24PC2-A-YaOSLSWYu	PVC			0.60						37.10	3247
36PC2-A-2XOSLSWYu	XLPE	0.5	36	0.50	1.30	1.40	1.20	2.00	1.80	39.95	3861
36PC2-A-YaOSLSWYu	PVC			0.60						42.25	4287
02PC2-B-2XOSLSWYu	XLPE	0.75	2	0.60	0.80	1.10	0.80	0.90	1.40	20.00	973
02PC2-B-YaOSLSWYu	PVC			0.60						19.81	981
04PC2-B-2XOSLSWYu	XLPE	0.75	4	0.60	1.20	1.10	0.80	1.25	1.50	23.35	1351
04PC2-B-YaOSLSWYu	PVC			0.60						23.66	1366
08PC2-B-2XOSLSWYu	XLPE	0.75	8	0.60	1.20	1.20	1.00	1.60	1.70	29.00	2059
08PC2-B-YaOSLSWYu	PVC			0.60						29.97	2097
10PC2-B-2XOSLSWYu	XLPE	0.75	10	0.60	1.20	1.20	1.00	1.60	1.70	31.10	2307
10PC2-B-YaOSLSWYu	PVC			0.60						31.10	2346
12PC2-B-2XOSLSWYu	XLPE	0.75	12	0.60	1.20	1.20	1.00	1.60	1.70	31.75	2422
12PC2-B-YaOSLSWYu	PVC			0.60						31.75	2469
24PC2-B-2XOSLSWYu	XLPE	0.75	24	0.60	1.50	1.40	1.20	2.00	1.80	41.25	4037
24PC2-B-YaOSLSWYu	PVC			0.60						41.25	4131
36PC2-B-2XOSLSWYu	XLPE	0.75	36	0.60	1.50	1.60	1.30	2.00	2.00	46.10	5097
36PC2-B-YaOSLSWYu	PVC			0.60						46.10	5237
02PC2-C-2XOSLSWYu	XLPE	1.0	2	0.60	0.80	1.10	0.80	1.25	1.40	21.25	1125
02PC2-C-YaOSLSWYu	PVC			0.60						21.25	1134
04PC2-C-2XOSLSWYu	XLPE	1.0	4	0.60	1.20	1.10	0.80	1.25	1.50	24.00	1433
04PC2-C-YaOSLSWYu	PVC			0.60						24.00	1450
08PC2-C-2XOSLSWYu	XLPE	1.0	8	0.60	1.20	1.20	1.00	1.60	1.70	30.00	2201
08PC2-C-YaOSLSWYu	PVC			0.60						30.00	2236
10PC2-C-2XOSLSWYu	XLPE	1.0	10	0.60	1.20	1.20	1.00	1.60	1.70	32.25	2485
10PC2-C-YaOSLSWYu	PVC			0.60						32.25	2528
12PC2-C-2XOSLSWYu	XLPE	1.0	12	0.60	1.20	1.20	1.00	1.60	1.70	32.90	2599
12PC2-C-YaOSLSWYu	PVC			0.60						32.90	2651
24PC2-C-2XOSLSWYu	XLPE	1.0	24	0.60	1.50	1.40	1.20	2.00	1.80	42.90	4350
24PC2-C-YaOSLSWYu	PVC			0.60						42.90	4452
36PC2-C-2XOSLSWYu	XLPE	1.0	36	0.60	1.50	1.60	1.30	2.50	2.00	49.05	5919
36PC2-C-YaOSLSWYu	PVC			0.60						49.05	6074

MULTI PAIR UNSHIELDED WITH OVERALL SHIELD - LEAD JACKET - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of (Pair)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Lead Jacket Thickness (mm)	Intermediate Jacket Thickness (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-D-2XOSLSWYu	XLPE	1.5	2	0.60	0.90	1.10	0.80	1.25	1.40	22.35	1247
02PC2-D-YaOSLSWYu	PVC										1257
04PC2-D-2XOSLSWYu	XLPE	1.5	4	0.60	1.20	1.20	1.00	1.60	1.60	26.65	1815
04PC2-D-YaOSLSWYu	PVC										1835
08PC2-D-2XOSLSWYu	XLPE	1.5	8	0.60	1.30	1.30	1.00	1.60	1.80	32.30	2578
08PC2-D-YaOSLSWYu	PVC										2618
10PC2-D-2XOSLSWYu	XLPE	1.5	10	0.60	1.30	1.30	1.00	1.60	1.80	34.70	2914
10PC2-D-YaOSLSWYu	PVC										2963
12PC2-D-2XOSLSWYu	XLPE	1.5	12	0.60	1.30	1.30	1.00	1.60	1.80	35.45	3056
12PC2-D-YaOSLSWYu	PVC										3115
24PC2-D-2XOSLSWYu	XLPE	1.5	24	0.60	1.50	1.60	1.30	2.00	2.00	46.70	5300
24PC2-D-YaOSLSWYu	PVC										5418
36PC2-D-2XOSLSWYu	XLPE	1.5	36	0.60	1.70	1.80	1.40	2.50	2.10	53.55	7197
36PC2-D-YaOSLSWYu	PVC										7375
02PC2-E-2XOSLSWYu	XLPE	2.5	2	0.60	1.00	1.20	0.90	1.25	1.50	24.60	1522
02PC2-E-YaOSLSWYu	PVC										1533
04PC2-E-2XOSLSWYu	XLPE	2.5	4	0.60	1.30	1.30	1.10	1.60	1.70	29.20	2209
04PC2-E-YaOSLSWYu	PVC										2233
08PC2-E-2XOSLSWYu	XLPE	2.5	8	0.60	1.40	1.40	1.10	1.60	1.90	25.45	3161
08PC2-E-YaOSLSWYu	PVC										3208
10PC2-E-2XOSLSWYu	XLPE	2.5	10	0.60	1.40	1.40	1.10	2.00	1.90	39.15	3820
10PC2-E-YaOSLSWYu	PVC										3879
12PC2-E-2XOSLSWYu	XLPE	2.5	12	0.60	1.40	1.40	1.10	2.00	1.90	40.00	4022
12PC2-E-YaOSLSWYu	PVC										4093
24PC2-E-2XOSLSWYu	XLPE	2.5	24	0.60	1.60	1.70	1.40	2.50	2.10	52.80	6954
24PC2-E-YaOSLSWYu	PVC										7096
36PC2-E-2XOSLSWYu	XLPE	2.5	36	0.60	1.80	1.90	1.50	2.50	2.20	59.30	8913
36PC2-E-YaOSLSWYu	PVC										9126

MULTI TRIAD UNSHIELDED WITH OVERALL SHIELD-LEAD JACKET-WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of (Triad)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Lead Jacket Thickness (mm)	Intermediate Jacket Thickness (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-A-2XOSLSWYu	XLPE	0.5	2	0.50	0.80	1.10	0.80	0.90	1.30	19.35	933
02TC2-A-YaOSLSWYu	PVC			0.60	0.80	1.10	0.80	1.25	1.30	20.05	1104
04TC2-A-2XOSLSWYu	XLPE	0.5	4	0.50	1.10	1.10	0.80	1.25	1.40	22.40	1270
04TC2-A-YaOSLSWYu	PVC			0.60	1.10	1.10	0.80	1.25	1.40	23.30	1382
08TC2-A-2XOSLSWYu	XLPE	0.5	8	0.50	1.20	1.10	1.00	1.60	1.60	27.85	1893
08TC2-A-YaOSLSWYu	PVC			0.60	1.20	1.10	1.00	1.60	1.60	29.15	2081
10TC2-A-2XOSLSWYu	XLPE	0.5	10	0.50	1.20	1.10	1.00	1.60	1.60	29.85	2125
10TC2-A-YaOSLSWYu	PVC			0.60	1.20	1.10	1.00	1.60	1.60	31.35	2339
12TC2-A-2XOSLSWYu	XLPE	0.5	12	0.50	1.20	1.10	1.00	1.60	1.60	30.45	2218
12TC2-A-YaOSLSWYu	PVC			0.60	1.20	1.10	1.00	1.60	1.60	32.00	2468
24TC2-A-2XOSLSWYu	XLPE	0.5	24	0.50	1.30	1.30	1.00	2.00	1.70	38.70	3614
24TC2-A-YaOSLSWYu	PVC			0.60	1.30	1.30	1.00	2.00	1.70	40.95	4049
36TC2-A-2XOSLSWYu	XLPE	0.5	36	0.50	1.30	1.40	1.20	2.00	1.80	43.15	4486
36TC2-A-YaOSLSWYu	PVC			0.60	1.30	1.40	1.20	2.00	1.80	45.80	5049
02TC2-B-2XOSLSWYu	XLPE	0.75	2	0.60	0.80	1.10	0.80	1.25	1.40	21.80	1186
02TC2-B-YaOSLSWYu	PVC										1198
04TC2-B-2XOSLSWYu	XLPE	0.75	4	0.60	1.20	1.10	0.80	1.25	1.50	24.65	1514
04TC2-B-YaOSLSWYu	PVC										1537
08TC2-B-2XOSLSWYu	XLPE	0.75	8	0.60	1.20	1.20	1.00	1.60	1.70	30.95	2337
08TC2-B-YaOSLSWYu	PVC										2384
10TC2-B-2XOSLSWYu	XLPE	0.75	10	0.60	1.20	1.20	1.00	1.60	1.70	33.35	2641
10TC2-B-YaOSLSWYu	PVC										2699
12TC2-B-2XOSLSWYu	XLPE	0.75	12	0.60	1.20	1.20	1.00	1.60	1.70	34.05	2767
12TC2-B-YaOSLSWYu	PVC										2873
24TC2-B-2XOSLSWYu	XLPE	0.75	24	0.60	1.50	1.40	1.20	2.00	1.80	44.55	4674
24TC2-B-YaOSLSWYu	PVC										4814
36TC2-B-2XOSLSWYu	XLPE	0.75	36	0.60	1.50	1.60	1.30	2.50	2.00	51.00	6344
36TC2-B-YaOSLSWYu	PVC										6555

MULTI TRIAD UNSHIELDED WITH OVERALL SHIELD-LEAD JACKET-WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

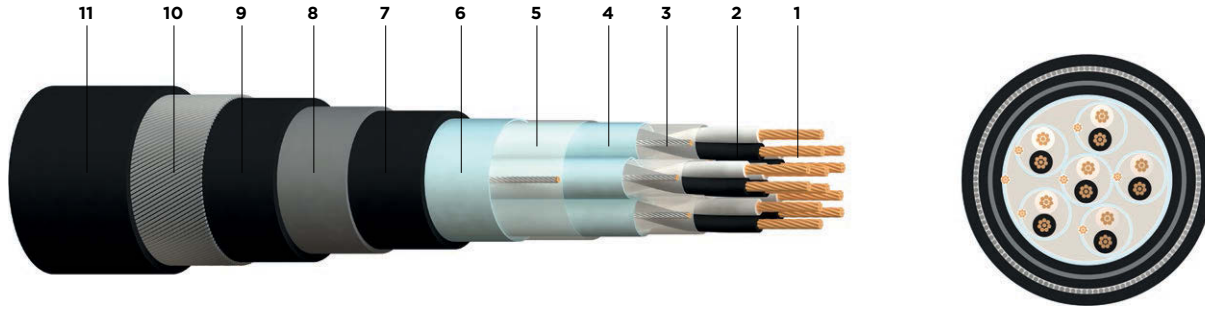
SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of (Triad)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Lead Jacket Thickness (mm)	Intermediate Jacket Thickness (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-C-2XOSLSWYu	XLPE	1.0	2	0.60	0.80	1.10	0.80	1.25	1.40	22.45	1251
02TC2-C-YaOSLSWYu	PVC										1264
04TC2-C-2XOSLSWYu	XLPE	1.0	4	0.60	1.20	1.10	0.80	1.60	1.50	26.15	1729
04TC2-C-YaOSLSWYu	PVC										1755
08TC2-C-2XOSLSWYu	XLPE	1.0	8	0.60	1.20	1.20	1.00	1.60	1.70	32.05	2509
08TC2-C-YaOSLSWYu	PVC										2561
10TC2-C-2XOSLSWYu	XLPE	1.0	10	0.60	1.20	1.20	1.00	1.60	1.70	34.60	2843
10TC2-C-YaOSLSWYu	PVC										2907
12TC2-C-2XOSLSWYu	XLPE	1.0	12	0.60	1.20	1.20	1.00	1.60	1.70	35.35	3004
12TC2-C-YaOSLSWYu	PVC										3081
24TC2-C-2XOSLSWYu	XLPE	1.0	24	0.60	1.50	1.40	1.20	2.00	1.80	46.50	5097
24TC2-C-YaOSLSWYu	PVC										5251
36TC2-C-2XOSLSWYu	XLPE	1.0	36	0.60	1.50	1.60	1.30	2.50	2.00	53.25	6950
36TC2-C-YaOSLSWYu	PVC										7187
02TC2-D-2XOSLSWYu	XLPE	1.5	2	0.60	0.90	1.10	0.80	1.25	1.40	23.70	1400
02TC2-D-YaOSLSWYu	PVC										1415
04TC2-D-2XOSLSWYu	XLPE	1.5	4	0.60	1.20	1.20	1.00	1.60	1.60	28.25	2044
04TC2-D-YaOSLSWYu	PVC										2073
08TC2-D-2XOSLSWYu	XLPE	1.5	8	0.60	1.30	1.30	1.00	1.60	1.80	34.45	2970
08TC2-D-YaOSLSWYu	PVC										3029
10TC2-D-2XOSLSWYu	XLPE	1.5	10	0.60	1.30	1.30	1.00	1.60	1.80	37.35	3367
10TC2-D-YaOSLSWYu	PVC										3441
12TC2-D-2XOSLSWYu	XLPE	1.5	12	0.60	1.30	1.30	1.00	2.00	1.80	40.00	3796
12TC2-D-YaOSLSWYu	PVC										3884
24TC2-D-2XOSLSWYu	XLPE	1.5	24	0.60	1.50	1.60	1.30	2.50	2.00	51.70	6632
24TC2-D-YaOSLSWYu	PVC										6809
36TC2-D-2XOSLSWYu	XLPE	1.5	36	0.60	1.70	1.80	1.40	2.50	2.10	58.15	8540
36TC2-D-YaOSLSWYu	PVC										8806
02TC2-E-2XOSLSWYu	XLPE	2.5	2	0.60	1.00	1.20	0.90	1.60	1.50	26.85	1851
02TC2-E-YaOSLSWYu	PVC										1869
04TC2-E-2XOSLSWYu	XLPE	2.5	4	0.60	1.30	1.30	1.10	1.60	1.70	31.05	2503
04TC2-E-YaOSLSWYu	PVC										2538
08TC2-E-2XOSLSWYu	XLPE	2.5	8	0.60	1.40	1.40	1.10	2.00	1.90	38.90	3910
08TC2-E-YaOSLSWYu	PVC										3981
10TC2-E-2XOSLSWYu	XLPE	2.5	10	0.60	1.40	1.40	1.10	2.00	1.90	42.20	4461
10TC2-E-YaOSLSWYu	PVC										4549
12TC2-E-2XOSLSWYu	XLPE	2.5	12	0.60	1.40	1.40	1.10	2.00	1.90	43.20	4727
12TC2-E-YaOSLSWYu	PVC										4833
24TC2-E-2XOSLSWYu	XLPE	2.5	24	0.60	1.60	1.70	1.40	2.50	2.10	57.35	8281
24TC2-E-YaOSLSWYu	PVC										8493
36TC2-E-2XOSLSWYu	XLPE	2.5	36	0.60	1.80	1.90	1.50	2.50	2.20	64.65	10736
36TC2-E-YaOSLSWYu	PVC										11055

- Note:**
1. For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 2. Other conductor sizes are available and pair/triad counts upon request.
 3. Dimensions of cables with Galvanised Double Steel Tape Armour are available upon request.
 4. Other jacket materials are available upon request.
 5. Standard Cutting length 1000m ± 5%. Other lengths are available upon request.

MULTI TWISTED PAIR/TRIAD, WITH INDIVIDUAL AND OVERALL SHIELD, PVC BEDDED, LEAD ALLOY SHEATHED, PVC BEDDED, STEEL WIRE ARMoured, AND PVC SHEATHED INSTRUMENTATION CABLE

**EN 50288-7, 90°C / 500V
SUNLIGHT & OIL RESISTANT,
FLAME RETARDANT / LEAD SHEATHED**

- Conductor:** Plain/Tinned Stranded Copper conductor.
- Insulation:** PVC 90°C, XLPE 90°C.
- Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay.
- Individual Screening/Shield:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
- Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
- Overall Screening:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
- Inner Jacket:** Poly Vinyl Chloride Flame Retardant.
- Lead Jacket:** Lead Alloy.
- Intermediate Jacket:** Poly Vinyl Chloride Flame Retardant.
- Armour:** Galvanised Round Steel Wires.
- Jacket:** Poly Vinyl Chloride Flame Retardant (Black).



MULTI TRIAD UNSHIELDED WITH OVERALL SHIELD-LEAD JACKET-WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of (Triad)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Lead Jacket Thickness (mm)	Intermediate Jacket Thickness (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-A-2XISLSWYu	XLPE	0.5	2	0.50	0.90	1.10	0.80	0.90	1.40	19.40	932
02PC2-A-YaISLSWYu	PVC			0.60						20.05	997
04PC2-A-2XISLSWYu	XLPE	0.5	4	0.50	1.20	1.10	0.80	1.25	1.50	22.35	1271
04PC2-A-YaISLSWYu	PVC			0.60						23.15	1360
08PC2-A-2XISLSWYu	XLPE	0.5	8	0.50	1.20	1.20	1.00	1.60	1.70	27.65	1935
08PC2-A-YaISLSWYu	PVC			0.60						28.80	2083
10PC2-A-2XISLSWYu	XLPE	0.5	10	0.50	1.20	1.20	1.00	1.60	1.70	29.50	2151
10PC2-A-2XISLSWYu	PVC			0.60						30.85	2338
12PC2-A-2XISLSWYu	XLPE	0.5	12	0.50	1.20	1.20	1.00	1.60	1.70	30.05	224
12PC2-A-YaISLSWYu	PVC			0.60						31.45	2446
24PC2-A-2XISLSWYu	XLPE	0.5	24	0.50	1.30	1.40	1.20	2.00	1.80	38.40	3668
24PC2-A-YaISLSWYu	PVC			0.60						40.40	4014
36PC2-A-2XISLSWYu	XLPE	0.5	36	0.50	1.50	1.60	1.30	2.00	1.90	43.10	4702
36PC2-A-YaISLSWYu	PVC			0.60						45.45	5179
02PC2-B-2XISLSWYu	XLPE	0.75	2	0.60	1.10	1.10	0.80	1.25	1.50	22.10	1213
02PC2-B-YaISLSWYu	PVC									22.10	1221
04PC2-B-2XISLSWYu	XLPE	0.75	4	0.60	1.20	1.20	1.00	1.25	1.60	24.85	1559
04PC2-B-YaISLSWYu	PVC									24.85	1575
08PC2-B-2XISLSWYu	XLPE	0.75	8	0.60	1.30	1.30	1.00	1.60	1.80	30.65	2353
08PC2-B-YaISLSWYu	PVC									30.65	2384
10PC2-B-2XISLSWYu	XLPE	0.75	10	0.60	1.30	1.30	1.00	1.60	1.80	32.90	2638
10PC2-B-YaISLSWYu	PVC									32.90	2677
12PC2-B-2XISLSWYu	XLPE	0.75	12	0.60	1.30	1.40	1.10	1.60	1.80	33.95	2897
12PC2-B-YaISLSWYu	PVC									33.95	2944
24PC2-B-2XISLSWYu	XLPE	0.75	24	0.60	1.70	1.60	1.30	2.00	2.00	44.45	4833
24PC2-B-YaISLSWYu	PVC									44.45	4927
36PC2-B-2XISLSWYu	XLPE	0.75	36	0.60	2.00	1.80	1.50	2.50	2.20	51.45	6646
36PC2-B-YaISLSWYu	PVC									51.45	6787
02PC2-C-2XISLSWYu	XLPE	1.0	2	0.60	1.10	1.10	0.80	1.25	1.50	22.65	1278
02PC2-C-YaISLSWYu	PVC									22.65	1287
04PC2-C-2XISLSWYu	XLPE	1.0	4	0.60	1.20	1.20	1.00	1.60	1.60	26.25	1762
04PC2-C-YaISLSWYu	PVC									26.25	1779
08PC2-C-2XISLSWYu	XLPE	1.0	8	0.60	1.30	1.30	1.00	1.60	1.80	31.60	2501
08PC2-C-YaISLSWYu	PVC									31.60	2535
10PC2-C-2XISLSWYu	XLPE	1.0	10	0.60	1.30	1.30	1.00	1.60	1.80	34.05	2823
10PC2-C-YaISLSWYu	PVC									34.05	2866
12PC2-C-2XISLSWYu	XLPE	1.0	12	0.60	1.30	1.30	1.00	1.60	1.80	35.15	3087
12PC2-C-YaISLSWYu	PVC									35.15	3138
24PC2-C-2XISLSWYu	XLPE	1.0	24	0.60	1.70	1.60	1.30	2.00	2.00	46.15	5192
24PC2-C-YaISLSWYu	PVC									46.15	5295
36PC2-C-2XISLSWYu	XLPE	1.0	36	0.60	2.00	1.80	1.50	2.50	2.20	53.50	7161
36PC2-C-YaISLSWYu	PVC									53.50	7315

MULTI TRIAD UNSHIELDED WITH OVERALL SHIELD-LEAD JACKET-WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of (Triad)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Lead Jacket Thickness (mm)	Intermediate Jacket Thickness (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-D-2XISLSWYu	XLPE	1.5	2	0.60	1.20	1.10	1.00	1.25	1.60	24.45	1440
02PC2-D-YaISLSWYu	PVC										1450
04PC2-D-2XISLSWYu	XLPE	1.5	4	0.60	1.30	1.20	1.00	1.60	1.70	27.80	1963
04PC2-D-YaISLSWYu	PVC										1983
08PC2-D-2XISLSWYu	XLPE	1.5	8	0.60	1.50	1.40	1.20	1.60	1.90	34.50	2972
08PC2-D-YaISLSWYu	PVC										3011
10PC2-D-2XISLSWYu	XLPE	1.5	10	0.60	1.50	1.50	1.20	1.60	1.90	37.40	3470
10PC2-D-YaISLSWYu	PVC										3520
12PC2-D-2XISLSWYu	XLPE	1.5	12	0.60	1.50	1.50	1.20	2.00	1.90	38.98	3881
12PC2-D-YaISLSWYu	PVC										3941
24PC2-D-2XISLSWYu	XLPE	1.5	24	0.60	1.70	1.80	1.40	2.50	2.10	50.80	6558
24PC2-D-YaISLSWYu	PVC										6676
36PC2-D-2XISLSWYu	XLPE	1.5	36	0.60	2.00	2.00	1.50	2.50	2.40	57.55	8410
36PC2-D-YaISLSWYu	PVC										8588
02PC2-E-2XISLSWYu	XLPE	2.5	2	0.60	1.30	1.20	1.00	1.60	1.70	27.45	1869
02PC2-E-YaISLSWYu	PVC										1881
04PC2-E-2XISLSWYu	XLPE	2.5	4	0.60	1.40	1.30	1.10	1.60	1.80	30.40	2370
04PC2-E-YaISLSWYu	PVC										2394
08PC2-E-2XISLSWYu	XLPE	2.5	8	0.60	1.60	1.50	1.30	1.60	2.00	37.85	3591
08PC2-E-YaISLSWYu	PVC										3638
10PC2-E-2XISLSWYu	XLPE	2.5	10	0.60	1.60	1.60	1.30	2.00	2.00	41.90	4452
10PC2-E-YaISLSWYu	PVC										4511
12PC2-E-2XISLSWYu	XLPE	2.5	12	0.60	1.60	1.60	1.30	2.00	2.00	42.80	4708
12PC2-E-YaISLSWYu	PVC										4779
24PC2-E-2XISLSWYu	XLPE	2.5	24	0.60	1.80	1.90	1.50	2.50	2.20	56.00	7945
24PC2-E-YaISLSWYu	PVC										8086
36PC2-E-2XISLSWYu	XLPE	2.5	36	0.60	2.10	2.10	1.60	2.50	2.50	63.45	10240
36PC2-E-YaISLSWYu	PVC										10453

MULTI TRIAD WITH INDIVIDUAL AND OVERALL SHIELD-LEAD JACKET- WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of (Triad)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Lead Jacket Thickness (mm)	Intermediate Jacket Thickness (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-A-2XISLSWYu	XLPE	0.5	2	0.50	0.90	1.10	0.80	1.25	1.40	21.50	1158
02TC2-A-YaISLSWYu	PVC			0.60						22.30	1240
04TC2-A-2XISLSWYu	XLPE	0.5	4	0.50	1.20	1.10	0.80	1.25	1.50	24.05	1442
04TC2-A-YaISLSWYu	PVC			0.60						25.00	1553
08TC2-A-2XISLSWYu	XLPE	0.5	8	0.50	1.20	1.20	1.00	1.60	1.70	30.05	2217
08TC2-A-YaISLSWYu	PVC			0.60						31.45	2422
10TC2-A-2XISLSWYu	XLPE	0.5	10	0.50	1.20	1.20	1.00	1.60	1.70	32.30	2505
10TC2-A-YaISLSWYu	PVC			0.60						33.95	2741
12TC2-A-2XISLSWYu	XLPE	0.5	12	0.50	1.20	1.20	1.00	1.60	1.70	32.95	2622
12TC2-A-YaISLSWYu	PVC			0.60						34.65	2877
24TC2-A-2XISLSWYu	XLPE	0.5	24	0.50	1.30	1.40	1.20	2.00	1.80	42.60	4333
24TC2-A-YaISLSWYu	PVC			0.60						48.00	4808
36TC2-A-2XISLSWYu	XLPE	0.5	36	0.50	1.50	1.60	1.30	2.50	1.90	49.00	5957
36TC2-A-YaISLSWYu	PVC			0.60						51.80	6603
02TC2-B-2XISLSWYu	XLPE	0.75	2	0.60	1.10	1.10	0.80	1.25	1.50	23.75	1375
02TC2-B-YaISLSWYu	PVC									23.75	1387
04TC2-B-2XISLSWYu	XLPE	0.75	4	0.60	1.20	1.20	1.00	1.60	1.60	27.60	1919
04TC2-B-YaISLSWYu	PVC									27.60	1943
08TC2-B-2XISLSWYu	XLPE	0.75	8	0.60	1.30	1.30	1.00	1.60	1.80	33.50	2741
08TC2-B-YaISLSWYu	PVC									33.50	2788
10TC2-B-2XISLSWYu	XLPE	0.75	10	0.60	1.30	1.30	1.00	1.60	1.80	36.25	3095
10TC2-B-YaISLSWYu	PVC									36.25	3155
12TC2-B-2XISLSWYu	XLPE	0.75	12	0.60	1.30	1.40	1.10	1.60	1.80	37.45	3386
12TC2-B-YaISLSWYu	PVC									37.45	3456
24TC2-B-2XISLSWYu	XLPE	0.75	24	0.60	1.70	1.60	1.30	2.50	2.00	50.45	6098
24TC2-B-YaISLSWYu	PVC									50.45	6238
36TC2-B-2XISLSWYu	XLPE	0.75	36	0.60	2.00	1.80	1.50	2.50	2.20	57.30	7921
36TC2-B-YaISLSWYu	PVC									57.30	8132

MULTI TRIAD WITH INDIVIDUAL AND OVERALL SHIELD-LEAD JACKET- WIRE ARMoured CABLE – DIMENSIONS AND WEIGHTS (CONTINUATION)

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of (Triad)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Lead Jacket Thickness (mm)	Intermediate Jacket Thickness (mm)	Diameter of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-C-2XISLSWYu	XLPE	1.0	2	0.60	1.10	1.10	0.80	1.25	1.50	24.45	1454
02TC2-C-YaISLSWYu	PVC										1467
04TC2-C-2XISLSWYu	XLPE	1.0	4	0.60	1.20	1.20	1.00	1.60	1.60	28.45	2040
04TC2-C-YaISLSWYu	PVC										2066
08TC2-C-2XISLSWYu	XLPE	1.0	8	0.60	1.30	1.30	1.00	1.60	1.80	34.70	2927
08TC2-C-YaISLSWYu	PVC										2978
10TC2-C-2XISLSWYu	XLPE	1.0	10	0.60	1.30	1.30	1.00	2.00	1.80	38.45	3545
10TC2-C-YaISLSWYu	PVC										3609
12TC2-C-2XISLSWYu	XLPE	1.0	12	0.60	1.30	1.40	1.10	2.00	1.80	39.70	3879
12TC2-C-YaISLSWYu	PVC										3956
24TC2-C-2XISLSWYu	XLPE	1.0	24	0.60	1.70	1.60	1.30	2.50	2.00	52.55	6597
24TC2-C-YaISLSWYu	PVC										6752
36TC2-C-2XISLSWYu	XLPE	1.0	36	0.60	2.00	1.80	1.50	2.50	2.20	59.75	8578
36TC2-C-YaISLSWYu	PVC										8810
02TC2-D-2XISLSWYu	XLPE	1.5	2	0.60	1.20	1.10	1.00	1.60	1.60	27.15	1787
02TC2-D-YaISLSWYu	PVC										1802
04TC2-D-2XISLSWYu	XLPE	1.5	4	0.60	1.30	1.20	1.00	1.60	1.70	30.20	2279
04TC2-D-YaISLSWYu	PVC										2308
08TC2-D-2XISLSWYu	XLPE	1.5	8	0.60	1.50	1.40	1.20	2.00	1.90	38.75	3719
08TC2-D-YaISLSWYu	PVC										3778
10TC2-D-2XISLSWYu	XLPE	1.5	10	0.60	1.50	1.50	1.20	2.00	1.90	42.15	4365
10TC2-D-YaISLSWYu	PVC										4439
12TC2-D-2XISLSWYu	XLPE	1.5	12	0.60	1.50	1.50	1.20	2.00	1.90	43.10	4592
12TC2-D-YaISLSWYu	PVC										4681
24TC2-D-2XISLSWYu	XLPE	1.5	24	0.60	1.70	1.80	1.40	2.50	2.10	56.75	7849
24TC2-D-YaISLSWYu	PVC										8026
36TC2-D-2XISLSWYu	XLPE	1.5	36	0.60	2.00	2.00	1.50	2.50	2.40	64.50	10176
36TC2-D-YaISLSWYu	PVC										10442
02TC2-E-2XISLSWYu	XLPE	2.5	2	0.60	1.30	1.20	1.10	1.60	1.70	29.70	2162
02TC2-E-YaISLSWYu	PVC										2180
04TC2-E-2XISLSWYu	XLPE	2.5	4	0.60	1.40	1.30	1.10	1.60	1.80	33.15	2765
04TC2-E-YaISLSWYu	PVC										2801
08TC2-E-2XISLSWYu	XLPE	2.5	8	0.60	1.60	1.50	1.30	2.00	2.00	42.60	4531
08TC2-E-YaISLSWYu	PVC										4602
10TC2-E-2XISLSWYu	XLPE	2.5	10	0.60	1.60	1.60	1.30	2.00	2.00	46.50	5309
10TC2-E-YaISLSWYu	PVC										5398
12TC2-E-2XISLSWYu	XLPE	2.5	12	0.60	1.60	1.60	1.30	2.00	2.00	47.60	5636
12TC2-E-YaISLSWYu	PVC										5743
24TC2-E-2XISLSWYu	XLPE	2.5	24	0.60	1.80	1.90	1.50	2.50	2.50	62.85	9669
24TC2-E-YaISLSWYu	PVC										9881
36TC2-E-2XISLSWYu	XLPE	2.5	36	0.60	2.10	2.10	1.60	2.50	2.50	71.50	12585
36TC2-E-YaISLSWYu	PVC										12904

- Note:**
- For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 - Other conductor sizes are available and pair/triad counts upon request.
 - Dimensions of cables with Galvanised Double Steel Tape Armour are available upon request.
 - Other jacket materials are available upon request.
 - Standard Cutting length 1000m ± 5%. Other lengths are available upon request.

APPLICATION

- Instrumentation cables installed in an area that has the risk of fire (as in Fire and Gas Area, is required to be fire resistant).
- Such cable has characteristics that it can survive and carry electric signal in case of fire and flame temperature up to 950°C for 3 hours without circuit breakdown shorted or open. (Meets IEC-60331-21 & BS 6387 Cat. C, W, Z)

Single & Multipair and Multi-Triples, individual and /or Collective screen, PVC- sheath

Cable Features:

Fire resistant cables that complies with IEC 60331 and BS 6387

Low smoke and zero halogen emission

Unarmoured
Armoured

Common Cable Construction:

Conductor Type
- Plain Copper
- Tinned Coated Copper

Conductor Wrapping
- Mica Tape

Insulation Material
- XLPE 90°C

Unarmoured

Armoured
- Galvanised Steel Wires
- Double Steel Tape

Jackets
- Flame Retardant
- Low Smoke Zero Halogen Free

ELECTRICAL PROPERTIES OF INSTRUMENTATION CABLES - 500V

Conductor area size (mm ²)				0.5	0.75	1.0	1.5	2.5
Conductor Resistance @ 20°C	Plain Cu	(Ω / km)	max.	≤36.0	≤24.5	≤18.10	≤12.10	≤7.41
	Tinned Cu			≤36.7	≤24.8	≤18.20	≤12.20	≤7.56
Mutual Capacitance @ 1 KHz	XLPE	(nF/km)	max.	≤150	≤150	≤150	≤150	≤150
	PVC			≤150	≤250	≤250	≤250	≤250
L/R ratio		μH/Ω	max.	≤25	≤25	≤25	≤40	≤60
Insulation Resistance	XLPE	MΩ - Km	min.	≥1000	≥1000	≥1000	≥1000	≥1000
	PVC		min.	≥10	≥10	≥10	≥10	≥10
Test Voltage Core/Core (U _{rms}) Core/shield (U _{rms})	XLPE	V	min.	≥2000	≥2000	≥2000	≥2000	≥2000
	PVC							

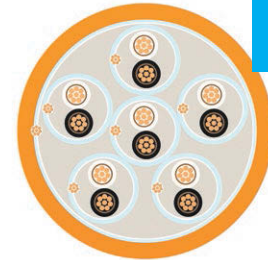
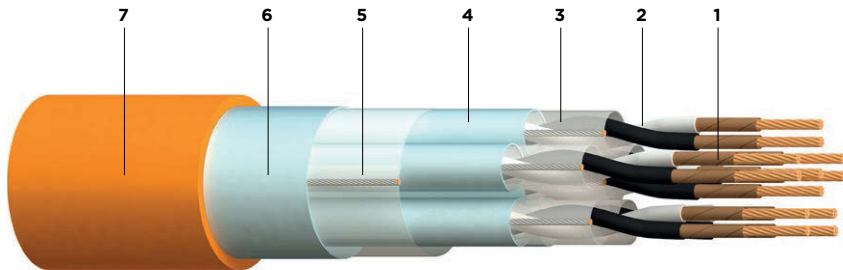
PHYSICAL PROPERTIES

Fire Resistant	Passes IEC 60331 for 3 hrs @ 750°C
	Passes BS 6387 for 3 hrs @ 950°C Category C and Category W, Z
Flame Retardancy	Passes Flame Retardant IEC 60332-1 & IEC 60332-3 Cat. A or C
	Passes Flame Retardant IEC 60332-3 Cat. A or C
Test Halogen Acid Gases	Passes IEC 60754-1
Low smoke emission	Passes IEC 61034
Minimum Bending Radius	7.5 x Cable Outside Diameter (for unarmoured cables) 10 x Cable Outside Diameter (for armoured cables)
Temperature Range	During Operation: -30°C to +90°C During Installation: -5°C to +50°C

INSULATION AND JACKET COLOURS

Pair colour	Black & White. Other pair colours are available upon request.
Triad colour	Black, White and Red. Other triad colours are available upon request.
Jacket colour	Black. Other colours are available upon request.

1. **Conductor:** Plain/Tinned Stranded Copper conductor, wrapped with Fire Resistant MICA Tape.
2. **Insulation:** XLPE FR 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay.
4. **Individual Screening/Shield :** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
5. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
6. **Overall Screening:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
7. **Jacket:** Flame Retardant, Low Smoke Halogen Free (LSHF) (Orange).



Illustrations correct?

MULTI PAIR WITH INDIVIDUAL AND OVERALL SHIELD CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-A-FXFISHF	XLPE	0.5	2	0.50	0.90	13.10	115
04PC2-A-FXFISHF	XLPE	0.5	4	0.50	1.20	15.50	200
08PC2-A-FXFISHF	XLPE	0.5	8	0.50	1.20	20.50	345
10PC2-A-FXFISHF	XLPE	0.5	10	0.50	1.20	23.10	410
12PC2-A-FXFISHF	XLPE	0.5	12	0.50	1.20	23.80	480
24PC2-A-FXFISHF	XLPE	0.5	24	0.50	1.30	32.50	850
36PC2-A-FXFISHF	XLPE	0.5	36	0.50	1.50	37.50	1290
02PC2-B-FXFISHF	XLPE	0.75	2	0.60	1.10	14.50	150
04PC2-B-FXFISHF	XLPE	0.75	4	0.60	1.20	17.10	245
08PC2-B-FXFISHF	XLPE	0.75	8	0.60	1.30	23.10	430
10PC2-B-FXFISHF	XLPE	0.75	10	0.60	1.30	26.00	540
12PC2-B-FXFISHF	XLPE	0.75	12	0.60	1.30	27.00	620
24PC2-B-FXFISHF	XLPE	0.75	24	0.60	1.70	37.50	1210
36PC2-B-FXFISHF	XLPE	0.75	36	0.60	2.00	43.50	1750
02PC2-C-FXFISHF	XLPE	1.0	2	0.60	1.10	15.10	160
04PC2-C-FXFISHF	XLPE	1.0	4	0.60	1.20	17.50	270
08PC2-C-FXFISHF	XLPE	1.0	8	0.60	1.30	23.50	470
10PC2-C-FXFISHF	XLPE	1.0	10	0.60	1.30	26.50	590
12PC2-C-FXFISHF	XLPE	1.0	12	0.60	1.30	27.50	670
24PC2-C-FXFISHF	XLPE	1.0	24	0.60	1.70	38.50	1320
36PC2-C-FXFISHF	XLPE	1.0	36	0.60	2.00	45.10	1930
02PC2-D-FXFISHF	XLPE	1.5	2	0.60	1.20	16.50	200
04PC2-D-FXFISHF	XLPE	1.5	4	0.60	1.30	19.10	330
08PC2-D-FXFISHF	XLPE	1.5	8	0.60	1.50	25.50	610
10PC2-D-FXFISHF	XLPE	1.5	10	0.60	1.50	29.10	735
12PC2-D-FXFISHF	XLPE	1.5	12	0.60	1.50	30.20	845
24PC2-D-FXFISHF	XLPE	1.5	24	0.60	1.70	41.20	1610
36PC2-D-FXFISHF	XLPE	1.5	36	0.60	2.00	48.50	2300
02PC2-E-FXFISHF	XLPE	2.5	2	0.60	1.30	18.10	250
04PC2-E-FXFISHF	XLPE	2.5	4	0.60	1.40	19.50	430
08PC2-E-FXFISHF	XLPE	2.5	8	0.60	1.60	28.50	810
10PC2-E-FXFISHF	XLPE	2.5	10	0.60	1.60	32.10	980
12PC2-E-FXFISHF	XLPE	2.5	12	0.60	1.60	33.50	1130
24PC2-E-FXFISHF	XLPE	2.5	24	0.60	1.80	46.30	2150
36PC2-E-FXFISHF	XLPE	2.5	36	0.60	2.10	53.50	3120

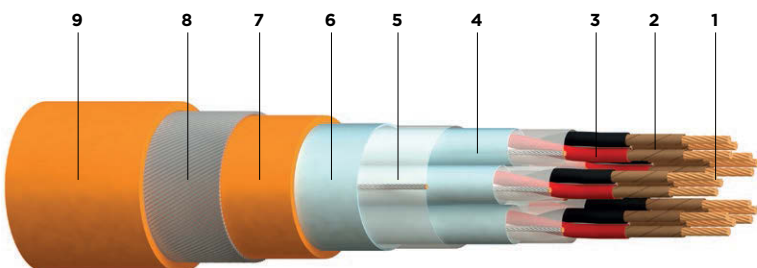
The information given in this leaflet is correct to the best of our knowledge and given in good faith, however the right is reserved to make alterations without prior notice.

MULTI TRIAD WITH INDIVIDUAL AND OVERALL SHIELD CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of Elements (Triad)	Insulation Thickness (nom.) (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-A-FXFISHF	XLPE	0.5	2	0.50	0.90	14.50	140
04TC2-A-FXFISHF	XLPE	0.5	4	0.50	1.20	17.50	250
08TC2-A-FXFISHF	XLPE	0.5	8	0.50	1.20	23.50	430
10TC2-A-FXFISHF	XLPE	0.5	10	0.50	1.20	26.50	520
12TC2-A-FXFISHF	XLPE	0.5	12	0.50	1.20	27.50	600
24TC2-A-FXFISHF	XLPE	0.5	24	0.50	1.30	38.00	1110
36TC2-A-FXFISHF	XLPE	0.5	36	0.50	1.50	44.00	1640
02TC2-B-FXFISHF	XLPE	0.75	2	0.60	1.10	16.50	185
04TC2-B-FXFISHF	XLPE	0.75	4	0.60	1.20	19.50	300
08TC2-B-FXFISHF	XLPE	0.75	8	0.60	1.30	26.50	550
10TC2-B-FXFISHF	XLPE	0.75	10	0.60	1.30	30.00	680
12TC2-B-FXFISHF	XLPE	0.75	12	0.60	1.30	31.00	780
24TC2-B-FXFISHF	XLPE	0.75	24	0.60	1.70	43.50	1540
36TC2-B-FXFISHF	XLPE	0.75	36	0.60	2.00	51.00	2260
02TC2-C-FXFISHF	XLPE	1.0	2	0.60	1.10	17.50	200
04TC2-C-FXFISHF	XLPE	1.0	4	0.60	1.20	20.50	340
08TC2-C-FXFISHF	XLPE	1.0	8	0.60	1.30	27.50	630
10TC2-C-FXFISHF	XLPE	1.0	10	0.60	1.30	31.20	780
12TC2-C-FXFISHF	XLPE	1.0	12	0.60	1.30	32.40	900
24TC2-C-FXFISHF	XLPE	1.0	24	0.60	1.70	46.00	1780
36TC2-C-FXFISHF	XLPE	1.0	36	0.60	2.00	53.20	2610
02TC2-D-FXFISHF	XLPE	1.5	2	0.60	1.20	19.00	250
04TC2-D-FXFISHF	XLPE	1.5	4	0.60	1.30	22.10	420
08TC2-D-FXFISHF	XLPE	1.5	8	0.60	1.50	30.00	800
10TC2-D-FXFISHF	XLPE	1.5	10	0.60	1.50	34.10	990
12TC2-D-FXFISHF	XLPE	1.5	12	0.60	1.50	34.50	1150
24TC2-D-FXFISHF	XLPE	1.5	24	0.60	1.70	49.20	2200
36TC2-D-FXFISHF	XLPE	1.5	36	0.60	2.00	56.50	3200
02TC2-E-FXFISHF	XLPE	2.5	2	0.60	1.30	20.50	310
04TC2-E-FXFISHF	XLPE	2.5	4	0.60	1.40	24.50	570
08TC2-E-FXFISHF	XLPE	2.5	8	0.60	1.60	33.10	1100
10TC2-E-FXFISHF	XLPE	2.5	10	0.60	1.60	37.50	1350
12TC2-E-FXFISHF	XLPE	2.5	12	0.60	1.60	38.50	1550
24TC2-E-FXFISHF	XLPE	2.5	24	0.60	1.80	54.20	3000
36TC2-E-FXFISHF	XLPE	2.5	36	0.60	2.10	63.20	4400

- Note:** 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 2.) Other conductor sizes and Pair/Triad counts are available upon request.
 3.) Other jacket materials are available upon request.
 4.) Standard Cutting length 1000m ± 5%, other lengths are on request.

1. **Conductor:** Plain/Tinned Stranded Copper conductor, wrapped with Fire Resistant MICA Tape
2. **Insulation:** XLPE FR 90°C.
3. **Pairing/Triads:** Uniformly twisted insulated conductors with a suitable twist of lay.
4. **Individual Screening/Shield:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
5. **Assembly and wrapping:** The required number of pairs/triads are assembled together with non-hygroscopic fillers (if required) and wrapped with a polyester wrapping tape.
6. **Overall Screening:** Aluminium-Polyester (AL-PET foil) laminated tape with 100% coverage and suitable overlap, metal side in contact with stranded tinned copper drain wire.
7. **Inner Jacket:** Flame Retardant, Low Smoke Halogen Free (LSHF)
8. **Armour:** Galvanised Round Steel Wires.
9. **Jacket:** Flame Retardant, Low Smoke Halogen Free (LSHF) (Orange).



Illustrations correct?

MULTI PAIR WITH INDIVIDUAL AND OVERALL SHIELD - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Dia. of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02PC2-A-FXFISSWHF	XLPE	0.5	2	0.50	0.90	0.90	1.40	17.50	410
04PC2-A-FXFISSWHF	XLPE	0.5	4	0.50	1.20	1.25	1.50	21.00	680
08PC2-A-FXFISSWHF	XLPE	0.5	8	0.50	1.20	1.60	1.70	27.00	1140
10PC2-A-FXFISSWHF	XLPE	0.5	10	0.50	1.20	1.60	1.70	29.50	1310
12PC2-A-FXFISSWHF	XLPE	0.5	12	0.50	1.20	1.60	1.70	30.10	1400
24PC2-A-FXFISSWHF	XLPE	0.5	24	0.50	1.30	2.00	1.80	40.00	2400
36PC2-A-FXFISSWHF	XLPE	0.5	36	0.50	1.50	2.00	1.90	45.10	3050
02PC2-B-FXFISSWHF	XLPE	0.75	2	0.60	1.10	0.90	1.50	19.80	527
04PC2-B-FXFISSWHF	XLPE	0.75	4	0.60	1.20	1.25	1.60	22.50	800
08PC2-B-FXFISSWHF	XLPE	0.75	8	0.60	1.30	1.60	1.80	29.50	1360
10PC2-B-FXFISSWHF	XLPE	0.75	10	0.60	1.30	1.60	1.80	32.50	1560
12PC2-B-FXFISSWHF	XLPE	0.75	12	0.60	1.30	1.60	1.80	33.50	1670
24PC2-B-FXFISSWHF	XLPE	0.75	24	0.60	1.70	2.00	2.00	45.20	3010
36PC2-B-FXFISSWHF	XLPE	0.75	36	0.60	2.00	2.50	2.20	52.50	4310
02PC2-C-FXFISSWHF	XLPE	1.0	2	0.60	1.10	0.90	1.50	19.50	540
04PC2-C-FXFISSWHF	XLPE	1.0	4	0.60	1.20	1.25	1.60	23.50	840
08PC2-C-FXFISSWHF	XLPE	1.0	8	0.60	1.30	1.60	1.80	30.50	1450
10PC2-C-FXFISSWHF	XLPE	1.0	10	0.60	1.30	1.60	1.80	33.50	1610
12PC2-C-FXFISSWHF	XLPE	1.0	12	0.60	1.30	1.60	1.80	34.50	1790
24PC2-C-FXFISSWHF	XLPE	1.0	24	0.60	1.70	2.00	2.00	46.50	3260
36PC2-C-FXFISSWHF	XLPE	1.0	36	0.60	2.00	2.50	2.20	54.50	4700
02PC2-D-FXFISSWHF	XLPE	1.5	2	0.60	1.20	1.25	1.60	22.10	720
04PC2-D-FXFISSWHF	XLPE	1.5	4	0.60	1.30	1.25	1.70	25.00	950
08PC2-D-FXFISSWHF	XLPE	1.5	8	0.60	1.50	1.60	1.90	32.50	1680
10PC2-D-FXFISSWHF	XLPE	1.5	10	0.60	1.50	1.60	1.90	36.40	1950
12PC2-D-FXFISSWHF	XLPE	1.5	12	0.60	1.50	1.60	1.90	37.50	2050
24PC2-D-FXFISSWHF	XLPE	1.5	24	0.60	1.70	2.50	2.10	51.10	4050
36PC2-D-FXFISSWHF	XLPE	1.5	36	0.60	2.00	2.50	2.40	58.30	5200
02PC2-E-FXFISSWHF	XLPE	2.5	2	0.60	1.30	1.25	1.70	24.10	840
04PC2-E-FXFISSWHF	XLPE	2.5	4	0.60	1.40	1.25	1.80	28.00	1270
08PC2-E-FXFISSWHF	XLPE	2.5	8	0.60	1.60	1.60	2.00	35.50	2010
10PC2-E-FXFISSWHF	XLPE	2.5	10	0.60	1.60	1.60	2.00	40.10	2590
12PC2-E-FXFISSWHF	XLPE	2.5	12	0.60	1.60	1.60	2.00	41.20	2800
24PC2-E-FXFISSWHF	XLPE	2.5	24	0.60	1.80	2.50	2.20	55.70	4950
36PC2-E-FXFISSWHF	XLPE	2.5	36	0.60	2.10	2.50	2.50	63.80	6500

MULTI TRIAD WITH INDIVIDUAL AND OVERALL SHIELD - WIRE ARMoured CABLE - DIMENSIONS AND WEIGHTS

SCC Item Code	Insulation Material Type	Conductor area size (mm ²)	No. of Elements (Pair)	Insulation Thickness (nom.) (mm)	Inner Jacket Thickness (nom.) (mm)	Dia. of Armour Wire (mm)	Jacket Thickness (nom.) (mm)	Overall Diameter Approx. (mm)	Net Weight Approx. (kg/km)
02TC2-A-FXFISSWHF	XLPE	0.5	2	0.60	0.90	0.90	1.40	19.20	403
04TC2-A-FXFISSWHF	XLPE	0.5	4	0.60	1.20	1.25	1.50	23.00	800
08TC2-A-FXFISSWHF	XLPE	0.5	8	0.60	1.20	1.60	1.70	30.10	1350
10TC2-A-FXFISSWHF	XLPE	0.5	10	0.60	1.20	1.60	1.70	33.20	1560
12TC2-A-FXFISSWHF	XLPE	0.5	12	0.60	1.20	1.60	1.70	34.10	1700
24TC2-A-FXFISSWHF	XLPE	0.5	24	0.60	1.30	2.00	1.80	45.30	2970
36TC2-A-FXFISSWHF	XLPE	0.5	36	0.60	1.50	2.50	1.90	52.70	4180
02TC2-B-FXFISSWHF	XLPE	0.75	2	0.60	1.10	1.25	1.50	22.20	715
04TC2-B-FXFISSWHF	XLPE	0.75	4	0.60	1.20	1.60	1.60	25.60	1050
08TC2-B-FXFISSWHF	XLPE	0.75	8	0.60	1.30	1.60	1.80	33.60	1610
10TC2-B-FXFISSWHF	XLPE	0.75	10	0.60	1.30	1.60	1.80	36.80	1905
12TC2-B-FXFISSWHF	XLPE	0.75	12	0.60	1.30	2.00	1.80	38.70	2240
24TC2-B-FXFISSWHF	XLPE	0.75	24	0.60	1.70	2.50	2.00	52.50	4005
36TC2-B-FXFISSWHF	XLPE	0.75	36	0.60	2.00	2.50	2.20	60.20	5330
02TC2-C-2XISSWYu	XLPE	1.0	2	0.60	1.10	1.25	1.50	23.00	760
04TC2-C-2XISSWYu	XLPE	1.0	4	0.60	1.20	1.60	1.60	26.80	1150
08TC2-C-2XISSWYu	XLPE	1.0	8	0.60	1.30	1.60	1.80	34.40	1740
10TC2-C-2XISSWYu	XLPE	1.0	10	0.60	1.30	1.60	1.80	38.80	2310
12TC2-C-2XISSWYu	XLPE	1.0	12	0.60	1.30	2.00	1.80	40.10	2486
24TC2-C-2XISSWYu	XLPE	1.0	24	0.60	1.70	2.50	2.00	54.60	4444
36TC2-C-2XISSWYu	XLPE	1.0	36	0.60	2.00	2.50	2.20	62.60	5845
02TC2-D-2XISSWYu	XLPE	1.5	2	0.60	1.20	1.25	1.60	24.60	850
04TC2-D-2XISSWYu	XLPE	1.5	4	0.60	1.30	1.60	1.70	28.70	1315
08TC2-D-2XISSWYu	XLPE	1.5	8	0.60	1.50	1.60	1.90	37.15	2060
10TC2-D-2XISSWYu	XLPE	1.5	10	0.60	1.50	2.00	1.90	42.15	2670
12TC2-D-2XISSWYu	XLPE	1.5	12	0.60	1.50	2.00	1.90	43.50	2900
24TC2-D-2XISSWYu	XLPE	1.5	24	0.60	1.70	2.50	2.10	58.45	5115
36TC2-D-2XISSWYu	XLPE	1.5	36	0.60	2.00	2.50	2.40	67.25	6815
02TC2-E-2XISSWYu	XLPE	2.5	2	0.60	1.30	1.60	1.70	27.50	1178
04TC2-E-2XISSWYu	XLPE	2.5	4	0.60	1.40	1.60	1.80	31.45	1587
08TC2-E-2XISSWYu	XLPE	2.5	8	0.60	1.60	2.00	2.00	41.35	2780
10TC2-E-2XISSWYu	XLPE	2.5	10	0.60	1.60	2.00	2.00	46.05	3240
12TC2-E-2XISSWYu	XLPE	2.5	12	0.60	1.60	2.00	2.00	47.40	3518
24TC2-E-2XISSWYu	XLPE	2.5	24	0.60	1.80	2.50	2.20	64.25	6320
36TC2-E-2XISSWYu	XLPE	2.5	36	0.60	2.10	2.50	2.50	73.25	8450

Note: 1.) For Tinned Copper conductor, simply replace "C2" to "T2" of the SCC ITEM CODE.
 2.) Other conductor sizes and Pair/Triad counts are available upon request.
 3.) Other jacket materials are available upon request.
 4.) Standard Cutting length 1000m ± 5%, other lengths are on request.





UL India Private Ltd.
 1st Floor, Titanium
 # 135, Airport Road
 Kodinalli
 Bangalore - 560 017, India
 tel : +91-80-4138 4400
 fax : +91-80-2520 4407
 e-mail : Customerservice.in@in.ul.com
 www.ul-ssia.com / www.ul.co.in

17 February, 2007

To,

SAUDI CABLE COMPANY
 PO BOX 30091
 WESTERN REGION
 JEDDAH 21491, SAUDI ARABIA

Kind Attn. : Mr. George Gindy, General Manager – Corporate Quality Assurance

Mobile Phone : 096 65056 02779

Subject : Authorization Letter

Dear Mr. George Gindy,

This has reference to the **Initial Production Inspection (IPI)** carried out by me at your Facility on 14 February 2007, in respect of your products, namely, **Thermoplastic - Insulated Wire, bearing CCN : ZLGR, and Power & Control Tray Cable, bearing CCN : QPOR, both being "LISTED"**.

As the IPI for both these files, bearing file numbers **E306262, Vol. 1 & E306234, Vol. 1**, was found to be satisfactory & complying with the requirements of the Follow-Up Service Procedure, read in conjunction with the applicable Follow-Up and Inspection Instructions and the UL Standards (UL 83 and UL 1277 respectively), we hereby Authorize your Facility to use all the required particulars of the UL Listed Mark, on your above products, as described in the Follow-Up Service Procedures, for shipping the same. You are advised to procure the Type 'L' Labels applicable for these products from UL-Italia, in Italy, and apply the same on your above products.

Thanking you & Best regards,

B. M. Shankar Prasad
 Area Manager
Inspection & Field Services

e-mail : Shankar.Prasad@in.ul.com



An independent organization working

423-A&B, 4th Floor, World Trade Centre, Babar Road,
 No. 508, 5th Floor, MIDAS, Sahar Plaza, M.V. Road



Search results

You may choose to [Refine Your Search.](#)

Company Name	Category Name	Link to File
SAUDI CABLE COMPANY	Instrumentation Tray Cable	NYTT_E306236
SAUDI CABLE COMPANY	Power and Control Tray Cable	QPOR_E306234
SAUDI CABLE COMPANY	Power-limited Circuit Cable	OPTZ_E311143
SAUDI CABLE COMPANY	Thermoplastic-Insulated Wire	ZLGR_E306262
SAUDI CABLE COMPANY	Thermoset-Insulated Wire	ZKST_E306266

Model number information is not published for all product categories. If you require information about a specific model number, please contact [Customer Service](#) for further assistance.

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Declaration of Test Results

BSI Product Services hereby declares that the item described below has been tested by BSI and complies with the requirements of

BS 5308:Part 1:1986 Including AMD 7617 Excluding Clause 14 Spark test
 BS 5308:Part 2:1986 Including AMD 7618 Excluding Clause 14 Spark test
 Saudi Cables Product number 402046 , T402068 and Testing requirements
 CEI IEC 60502-1:1997 only for XLPE compound test
 IEC 60332-3-24:2000 for Flame retardant test
 BS EN ISO 4589-2:1999 for Oxygen Index test
 UL 1581:2001 for Sun resistant test

The complete detail of the tests performed and the results are recorded in
 BSI Test Report No: 243/4767064 Dated: 07 December 2005

Description of item tested: 2 samples of Instrumentation Cable
 1) 01x2x1.5mm² Black colour sheath
 2) 05x2x1.0mm² Black colour sheath

Submitted by: Saudi Cable Company
 Telecable Plant
 PO Box 30091
 Jeddah 21477
 Saudi Arabia

Declaration authorised by:

[Signature] Mr. Michael
 Title Business Sector Manager
 Date 07 Decem

Attention is drawn to the conditions upon which this declaration is issued, namely:

- This declaration does not indicate provide or imply any measure of Approval, Certification, Supervision, Control or Surveillance by BSI to this or any related product.
- This Declaration applied only to and to the specific tests carried Report referred to above.
- The general and specific conditions Services, F5082 apply in all cases are available on request.

BSI Product Services, Maylands Avenue, Hemel Hempstead, Hertford



H1 Cable Registration

Manufacturer Saudi Cable Company,
 Telecom Division
 Phase 4, Industrial City
 PO Box 4403
 Jeddah 21491
 Kingdom of Saudi Arabia

Product Name Foundation Fieldbus Type-A H1
 Cable

Conductor Size / Pairs 18 AWG, 1-36 STP
Application Type Trunk and Spur

Cable Ratings / Listings Instrument Tray Cable (ITC)
 Power Limited Tray Cable (PLTC)

Optional Characteristics Armored
 Direct Burial
 Oil resistant
 UV Resistant
 Flame Retardant

Registration Number CL/082800/1
Registration Program FF-534-1.1
Test Specification FF-844-1.2
Test Report Number FF-845-1.3-0
Date Issued 2012-06-04

Authorized Mark

Use of mark subject to Graphic Identity Standards Guide (M1-042)



[Signature]
 Richard J. Timoney
 President and Chief Executive Officer

Fieldbus Foundation - 9505 Mountain Ridge Drive, Dewe Building Suite 200, Austin, Texas 78729 USA - tel: +1 512 794 8896 - fax: +1 512 794 8893 - info@fieldbus.org - www.fieldbus.org MFCS6 1.0

Saudi Arabian Oil Company : Tel.: (+966 3) 874 - 0337
 SRM Unit : Fax: (+966 3) 874 - 0015
 Strategic Sourcing Division
 Projects & Strategic Purchasing Dept.
 Wing A-Rm. 119, North Park 1
 Dhahran 31311, Saudi Arabia

May 31, 2009

SRM&LMU-072-08

Mr. Selim Al Rashid, Project Development
 Saudi Cable Company
 P. O. Box 4403
 Jeddah 21491

Fax: 2-637-5447

Dear Sir:

We are pleased to inform you that your company is included in the Saudi Aramco Supplier Information System under Vendor Code 10013724, plant no. 30000865 for the following products, provided your company continues to meet relevant Saudi Arabian and Saudi Aramco standards:

9COM	Description
6000001045	Cable; Electrical; Offshore cathodic protection
6000000957	Cable; Electrical; Single; Cathodic protection
6000000797	Cable; Power; 5 KV through 35 KV
6000002686	Cable; Instrumentation & control;
6000000804*	Cable; Electrical; low voltage; power or control*
6000000805**	Cable; Instrumentation & thermocouple**
6000001216	Cable; Communication; Fiber optic
600000799	Cable; Power; 69 KV through 132 KV

*New additional approved material. **Approved with limitations. See attachment.

This approval, however, should not be construed as a commitment by Saudi Aramco to purchase from you, but your company will have the opportunity along with other approved sources to respond to requests for submitting proposals in accordance with Saudi Aramco's established policies and procedures.

We would like to thank you for your interest in Saudi Aramco, and take this opportunity to reiterate that it is Saudi Aramco's policy to encourage the use of nationally manufactured materials.

For further information or assistance, please contact Husain M. Al-Saihati on 874-0321.

Sincerely yours,
 Ayedh S. Al-Dossary, Supervisor
 Supplier Relations Management Unit

(Signature) 06/01/09

أرامكو السعودية
 Saudi Aramco



رسالة فاكس
FAX MESSAGE



FROM: من:	TO: إلى:
Transmission Stands. & Specification Dept Saudi Electricity Company, Murooj Building- C, Ground Floor, PO Box # 57, Riyadh-11411	Saudi Cable Company, PO Box # 4403 Jeddah-21491
SCECO FAX: 01-4087811 رقم الفاكس	FAX NO: 02 6352220 رقم الفاكس:
TEL. NO: 01-4087810 رقم الاتصال	REF. NO. NIL DTD 17-11-08 إشارة
REF. NO. 08-02969-3-03032301 إشارة	Subject: الموضوع
DATE: 7 th January 2009 التاريخ:	Prequalification of Saudi Cable Company Jeddah for Shielded Instrumentation & Thermocouple Cables
NO. OF PAGES: 1+1=2 Pages. عدد الصفحات:	

Mr. Khalid I Makki, Vice President, sales, Saudi Arabia:

Further to the satisfactory resolution of all SEC technical queries as confirmed through Saudi Cable Company Letter # Nil dated 17th November 2008, we are proceeding to include Saudi Cable Company Jeddah in the unified list of "Technically Acceptable Manufacturers and manufacturing Plants of Saudi Electricity Company" for Shielded Instrumentation and Thermocouple Cables subject to the following.

1. **Extended Warranty:** The ten (10) Extended Warranty as confirmed by Saudi Cable Company through their letter # NIL dated 20th July 2008 shall be applicable for all supplies made to SEC directly or through LSTK Contractors.
2. **Type Tests:** As confirmed by Saudi Cable Company in writing (through their letter # NIL dated 16th November 2008) all Type, Design, Special, Acceptance and Routine Tests for Instrumentation and Thermocouple Cables shall be performed for the first order/project per SEC specifications and all applicable International Standards in SCC test laboratory in presence of three (3) SEC Engineers and one (1) SEC approved IIA Inspector and all costs related to the test shall be borne by the Manufacturer.

This manufacturer is technically prequalified to participate in any bidding for the supply of the above mentioned product(s) to SEC. This should not be interpreted as an approval of any specific product(s) from this Manufacturer. Proposed product(s) from this Manufacturer will be evaluated and will only be considered technically acceptable if they meet the prevailing specification and test requirements of the respective SEC Operating Areas.

Page 1 of 2

ries, please contact Eng. Ghazi D. Al-Zayer, Division Manager (A), 4087825 or Eng. E.A. Mathew at Ph # 403222 X 18529.

Eng. Abdullah M. Al-Garni
Department Manager, TS&SD

GDZ/EAM:

Cc: Division Manager, TS&SD/TSSD
Pre-Qualification File
ESD File

Route: GDZ/EAM-File

Page 2 of 2



CABLE HANDLING AND STORAGE GUIDELINES

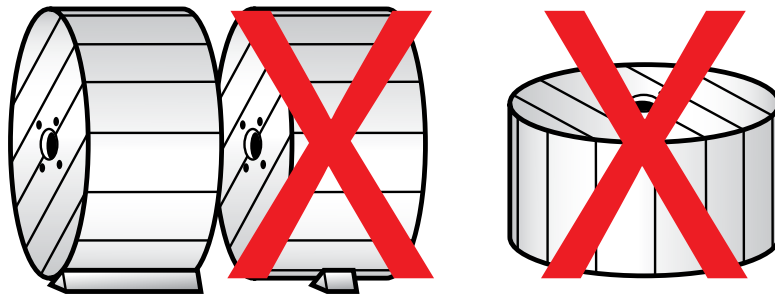
The purpose of this document is to provide proper guidelines for transportation, handling and storage of cables and cable reels.

Cables not handled properly may lead to damage. Any such damage may alter or degrade the cable characteristics.

KEEPING THE REEL UPRIGHT:

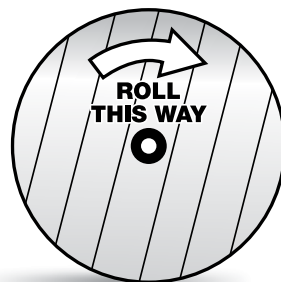
The reel should be handled in upright position with proper stops as shown below.

Proper stops must be fitted to avoid the reels from rolling.



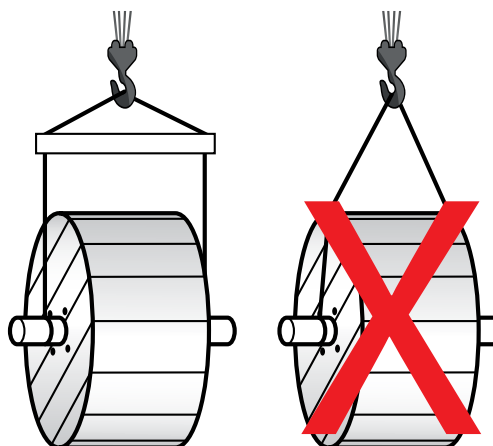
ROLLING THE REELS:

If reels are to be rolled, they should be rolled in the direction of the arrow on the reel as shown below. Rolling reels in the opposite direction may cause the cable to become loose and cause difficulty in installation. The reel should never be dragged or pushed even for short distances as the flange of the reel may break or get damaged.



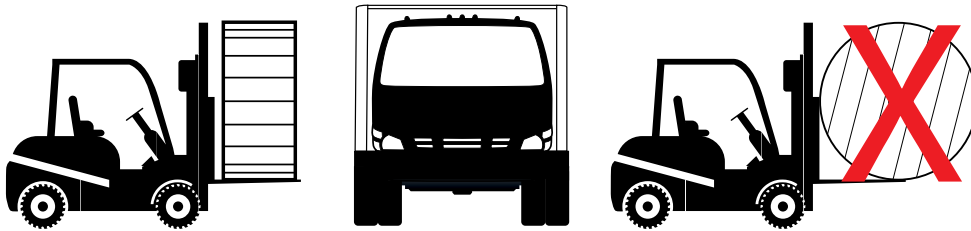
LIFTING THE REEL FOR LOADING/UNLOADING:

When lifting the reel from above with a crane or other lifting device, a spreader bar must be used above the reel to prevent inward pressure on the top of the reel flanges. The proper technique is shown below.



It should be properly be ensured that the reel is properly hoisted and balanced.

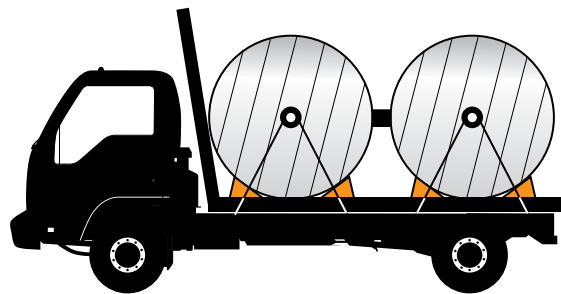
If the reel is lifted by forklift, then approach the reel from the flange side. Position the forks such that the reel is lifted by both reel flanges. Do not allow the lift forks to contact the cable.



TRANSPORTATION:

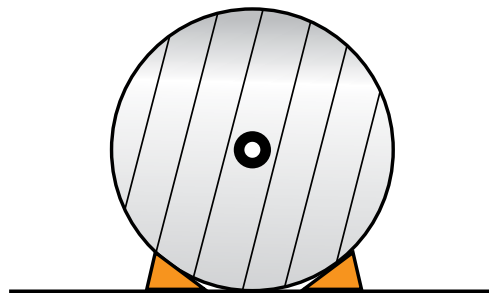
During transportation, the reel should be fastened to the base through the center hole or across the flanges with wires or ropes.

To prevent the movement of reels, a combination of wedges/stops and proper support should be used and tied down front and rear as shown below. Reels should never be stacked onto one another.



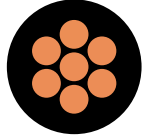
STORAGE:

Cable reels should be stored on hard surfaces resting on the flange edge as shown below. The area chosen for storage of cable reels must be level and dry to avoid moisture entry, and protected from sunlight if stored for longer time. A minimum distance of 30cm must be kept between each reel to avoid damage to the cable ends (End Caps). If a portion of the cable is used, the open end of the cable remaining on the reel should immediately be re-sealed in a manner equivalent to the factory seal to prevent the entrance of moisture.





شركة الكابلات السعودية
SAUDI CABLE COMPANY



Head Office	P.O Box 4403, Jeddah 21491	T +966 12 608 7666	F +966 12 608 2864
Riyadh	P.O Box 6793, Riyadh 11452	T +966 11 464 9080	F +966 11 464 4148
Al-Khobar	P.O Box 2449, Al-Khobar 31952	T +966 13 887 5818	F +966 13 887 5818