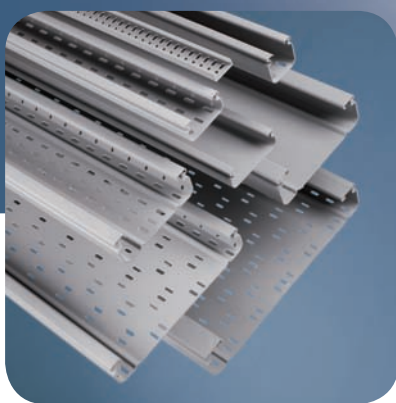


# The optimal solution for your projects

in damp and corrosive environments



PVC CABLE TRAYS

 **legrand**<sup>®</sup>



# Contents

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A COMPLETE SYSTEM .....	3
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# Just some of the advantages...

## ■ A lasting investment

PVC is corrosion-free and has excellent resistance to fire (class M1), chemical agents and damp environments, giving it a long service life. A product that lasts longer needs to be replaced less quickly and thus generates less waste and material to be recycled.

## ■ Easy to install

PVC is light to handle and transport. It is easy to cut, perforate or join together and causes little damage to cables or injury to hands. It does not need to be earthed.

## ■ Eco-friendly

Choosing PVC cable trays is also environmentally responsible, as PVC is a 100% recyclable material, both physically and chemically, and in terms of energy.

## ■ Compliance with the RoHS directive

Since 1 July 2006, the Legrand PVC cable tray range has complied with the requirements of the RoHS directive, which stipulates the elimination of several substances that are hazardous for the environment and for health.

## ■ Energy saving

PVC requires very little energy during its manufacture: Overall energy balance (raw materials + energy) expressed in MJ per kg

<b>PVC</b> 59	PP 73	PS 80	PET 84	Aluminium 200
------------------	----------	----------	-----------	------------------

**PVC:** Polyvinyl chloride **PP:** Polypropylene **PS:** Polystyrene  
**PET:** Polyethylene terephthalate



# One solution for many projects



Port areas



Industrial sites



Food processing



Commercial

Legrand PVC cable trays can be installed in both commercial and industrial environments

## ■ Damp, salty environments:

Port installations, offshore installations, purification stations, spas, swimming pools, airports, railway stations, bridges, etc.

The specific characteristics of PVC combined with Legrand's special cable tray system provide a product solution that is very easy and totally safe to install in all site configurations.

## ■ Industrial environments:

Chemical or petrochemical sites, paper industries, food processing, etc.

## ■ Commercial sector

Storage areas, car parks, offices, service ducts, etc.

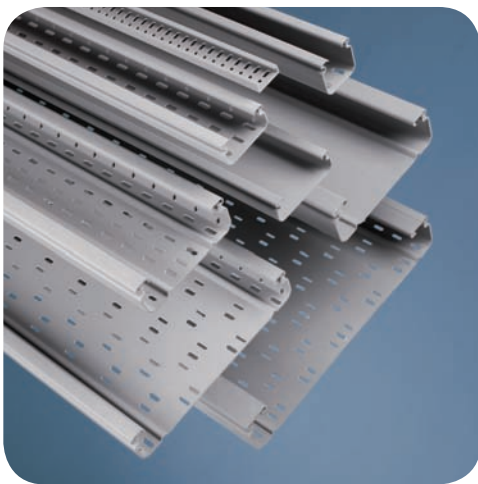
## ■ Indoors or outdoors:

Can be installed outdoors as the whole range has UV protection.

# A complete system

## Profiles, fixing and support accessories

- ▶ 3 depths: 50/75/100 mm
- ▶ Width 75 to 600 mm
- ▶ Perforated and unperforated, standard and reinforced profiles



17 profiles available in 3 depths:  
50, 75 and 100 in standard or reinforced  
version



Perforated and unperforated profiles

### Perforated and unperforated profiles

Depth (mm)	Standard			Reinforced				
	75	100	150	200	300	400	500	600
50								
75								
100								

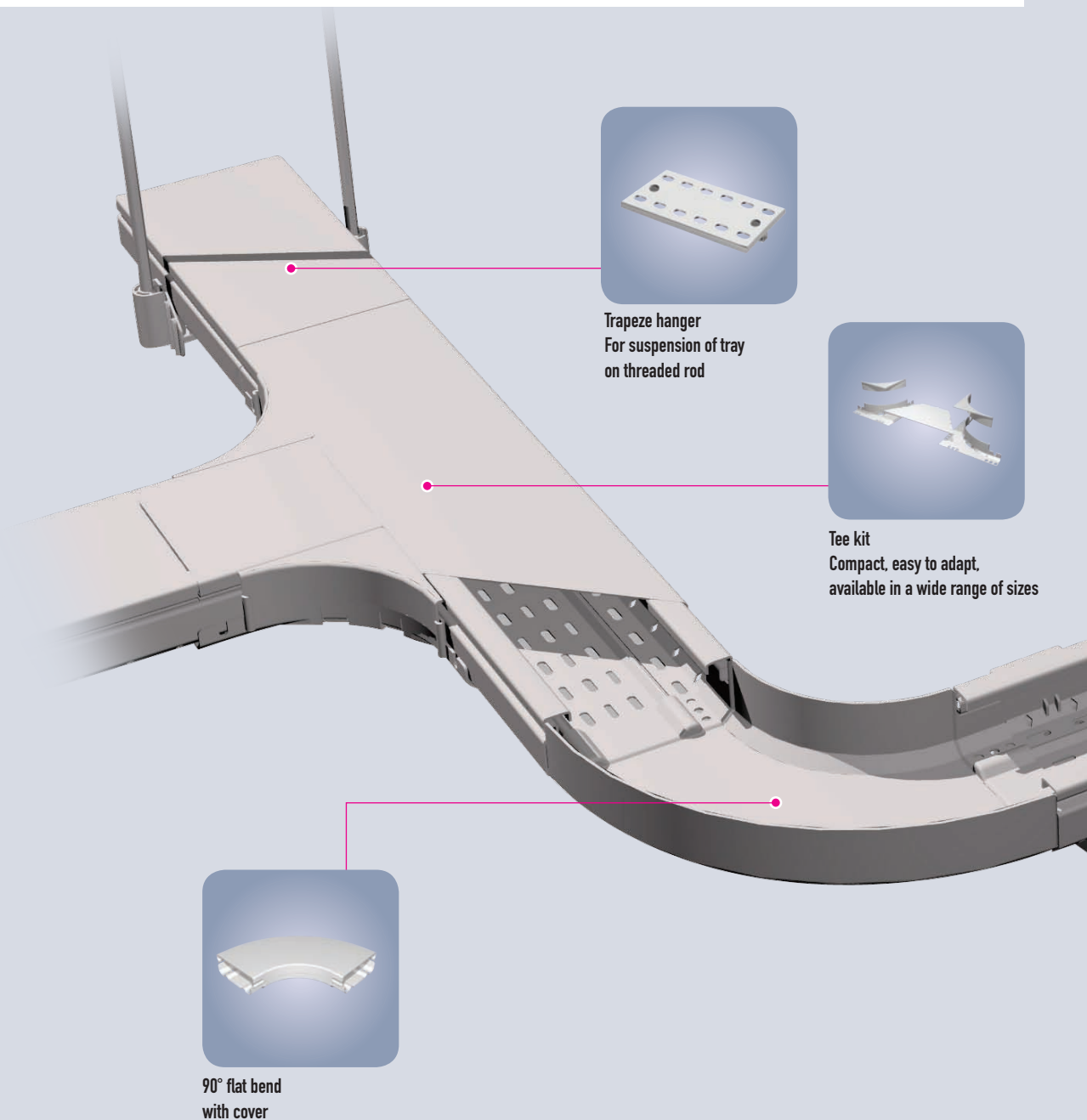
### Telex rail and data tray

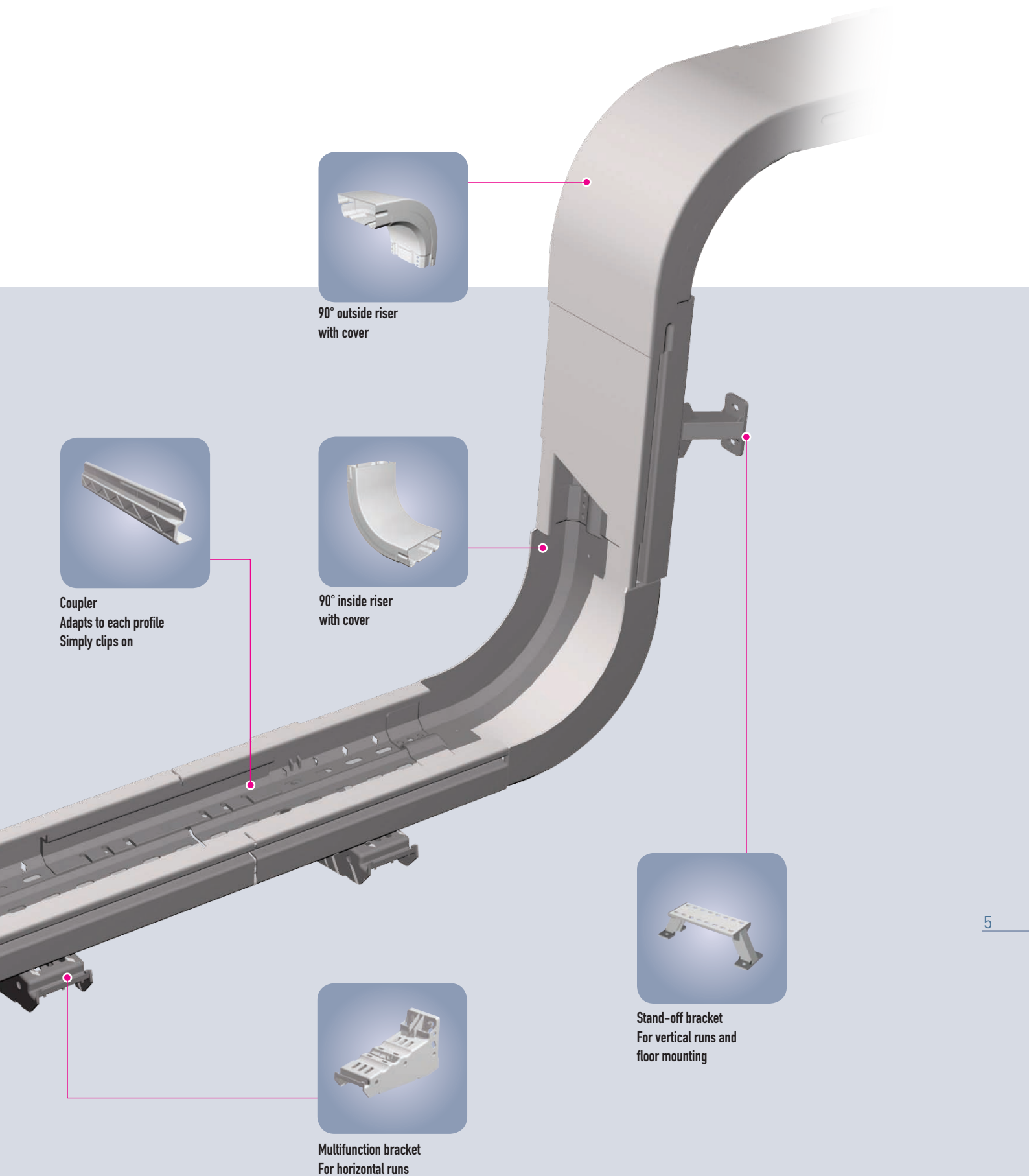
Standard 50 x 17 - 75 x 17 - 100 x 17 - 150 x 17 - 200 x 17

# A complete range of innovative accessories

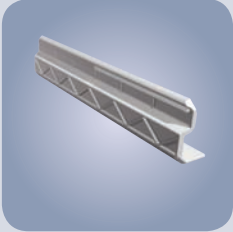
The thermoformed fittings with integrated couplers can be adapted to each configuration. With a consistent 150 mm radius of curvature, they prevent the cables from being damaged, allowing them to slide through easily. The covers simply clip on.

Profiles can be fixed to the wall or suspended from ceilings.

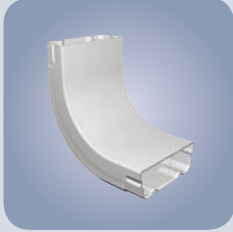




**90° outside riser  
with cover**



**Coupler**  
Adapts to each profile  
Simply clips on



**90° inside riser  
with cover**



**Stand-off bracket**  
For vertical runs and  
floor mounting



**Multifunction bracket**  
For horizontal runs

# Significant advantages

- > Optimised cabling capacity
- > Time-saving with clipping of couplers and covers
- > 20% more mechanical strength

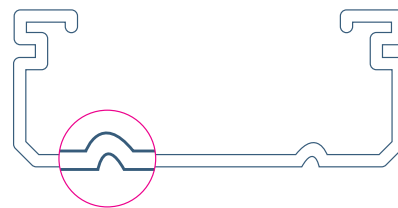
## ■ Optimised design of the profiles:

Standard  
up to  
150 mm



Totally flat profile, optimising the cabling capacity

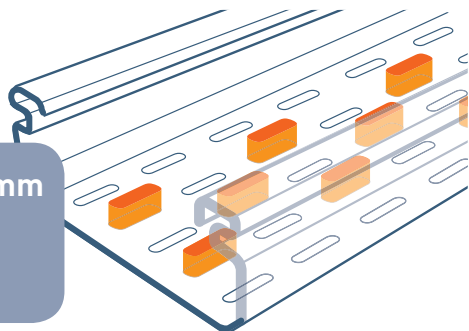
Reinforced  
above  
200 mm



With 2 ribs on the base to take higher loads

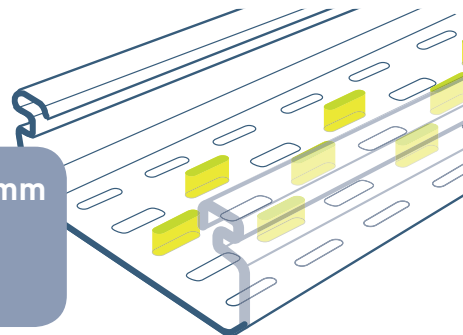
## ■ Perforated base for easy installation

9 x 25 mm



9 x 25 mm perforation for PVC screws - Diameter 8 mm

7 x 25 mm



7 x 25 mm perforation for PVC screws - Diameter 6 mm

## ■ Quick-fixing rivets



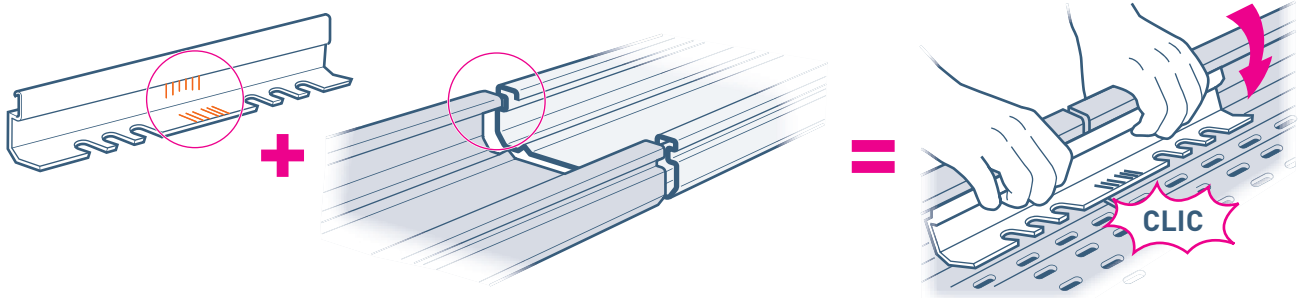
Push in the rivet



Just press and it's fixed



■ Clip together automatically, with no need for a screwdriver

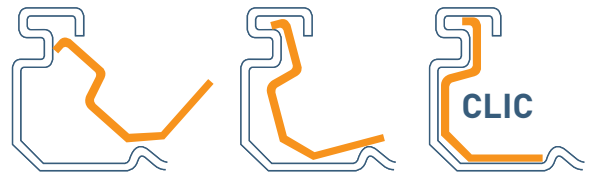


Marking system for installing couplers according to temperature conditions (to enable the PVC to expand).

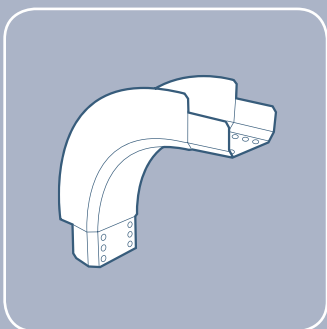
75 - 150



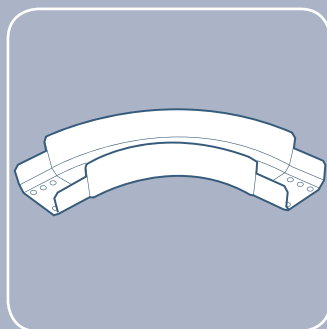
200 - 600



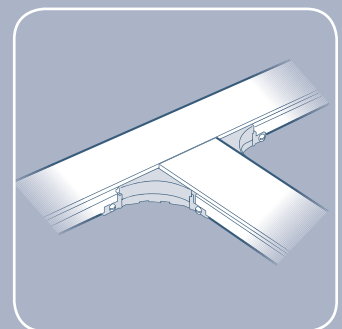
■ Fittings with integrated couplers



90° outside riser



90° flat bend

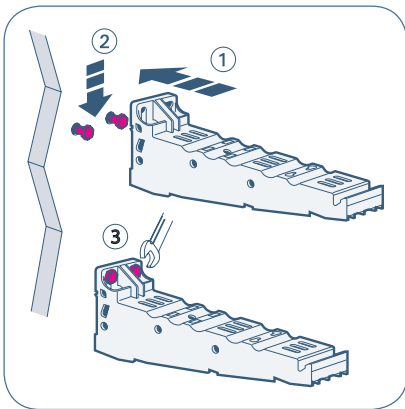


Tee kit

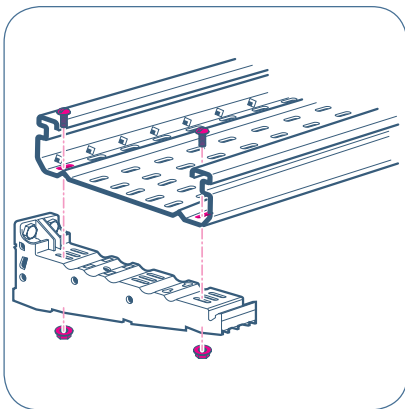
# Easy to install

New functions simplify installation and save time

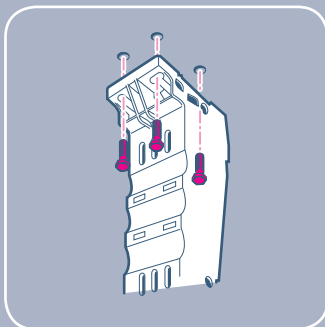
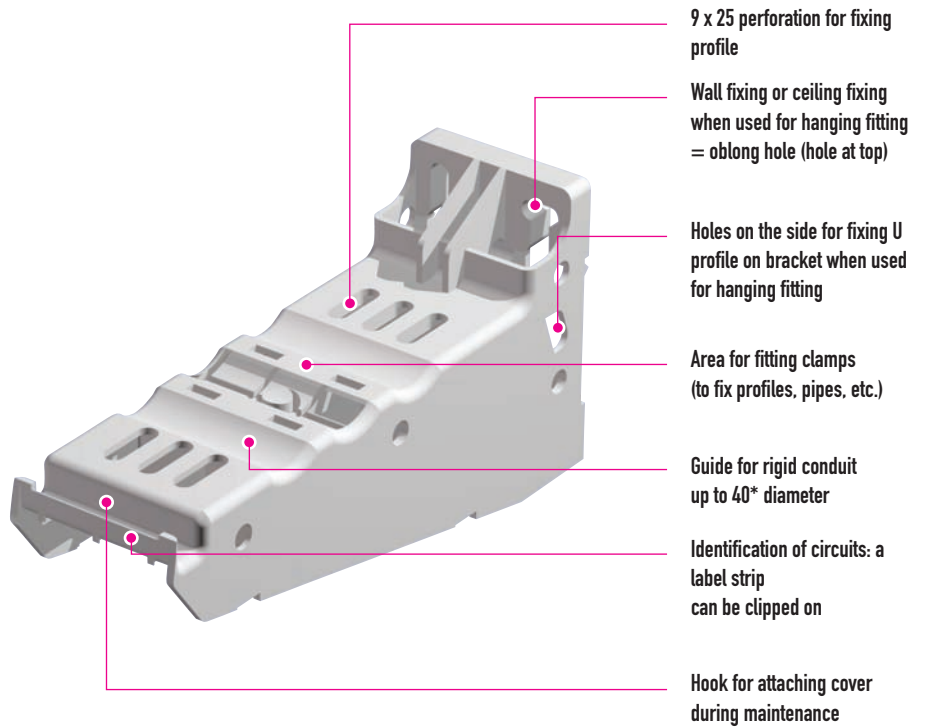
## ■ Multifunction bracket



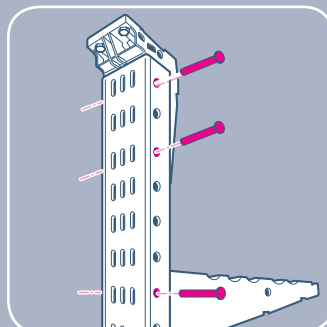
Wall fixing



Fixing profile to wall

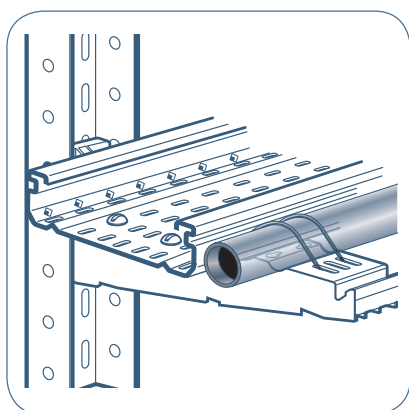


Fixing to the ceiling



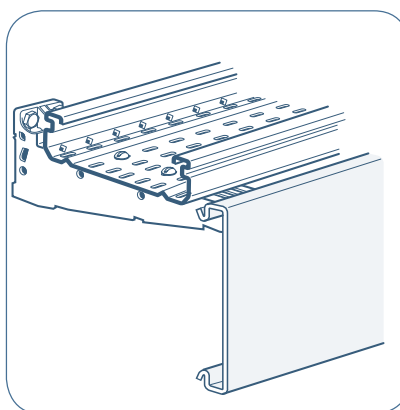
System with ceiling pendant

### ■ Fixing pipes



Special holes have been designed for fitting clamps so that pipes can be fixed on the bracket

### ■ Attaching the covers



For easier installation, the cover can be simply hooked on the bracket during maintenance operations

### Classification according to European standard EN 61 537





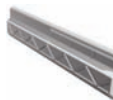





Material	Non-metallic
Fire resistance	Flame retardant
Electrical continuity characteristics	No continuity
Electrical conductivity	Non-conductive
Minimum temperature for transport, storage, installation and use	- 5°C
Maximum temperature for transport, storage, installation and use	+ 60°C
Perforation of the base of the cable trays	A: Unperforated cable tray (up to 2%) B: Perforated cable tray (between 2% and 15%)
Impact resistance	20 J (see details on page 19))

# PVC cable tray : tray lengths, fittings and accessories

selection table

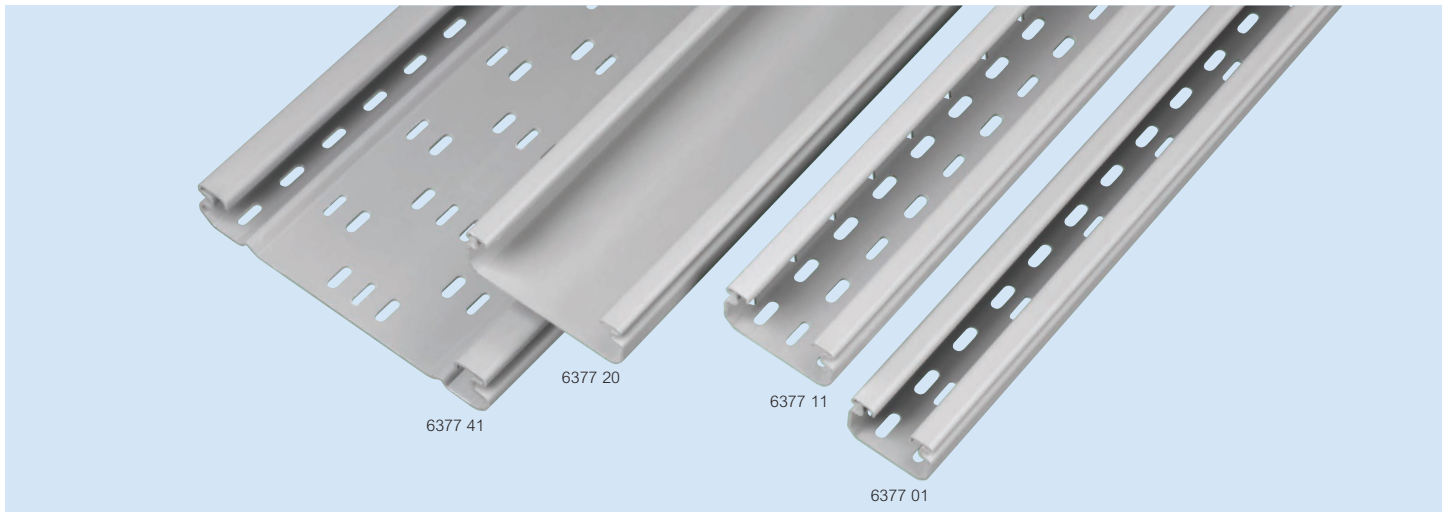
Section (mm) Width x Depth		TRAYS		FITTINGS AND ACCESSORIES						
		Straight lengths unperforated	Straight lengths perforated	Covers	Dividers		Flat 90° bends with cover		Inside 90° risers with cover	
50 MM DEPTH	75 x 50	6377 00	6377 01	6377 60	6377 88		6377 03		6377 05	
	100 x 50	6377 10	6377 11	6377 61	6377 88		6377 13		6377 15	
	150 x 50	6377 20	6377 21	6377 62	6377 88		6377 23		6377 25	
	200 x 50	6377 30	6377 31	6377 63	6377 88		6377 33		6377 35	
	300 x 50	6377 40	6377 41	6377 64	6377 88		6377 43		6377 45	
	400 x 50	6377 50	6377 51	6377 65	6377 88		6377 53		6377 55	
75 MM DEPTH	75 x 75	6378 00	6378 01	6377 60	6378 88		6378 03		6378 05	
	100 x 75	6378 10	6378 11	6377 61	6378 88		6378 13		6378 15	
	150 x 75	6378 20	6378 21	6377 62	6378 88		6378 23		6378 25	
	200 x 75	6378 30	6378 31	6377 63	6378 88		6378 33		6378 35	
	300 x 75	6378 40	6378 41	6377 64	6378 88		6378 43		6378 45	
	400 x 75	6378 50	6378 51	6377 65	6378 88		6378 53		6378 55	
100 MM DEPTH	200 x 100	6379 00	6379 01	6377 63	6379 88		6379 03		6379 05	
	300 x 100	6379 10	6379 11	6377 64	6379 88		6379 13		6379 15	
	400 x 100	6379 20	6379 21	6377 65	6379 88		6379 23		6379 25	
	500 x 100	6379 30	6379 31	6379 63	6379 88		6379 33		6379 35	
	600 x 100	6379 40	6379 41	6379 64	6379 88		6379 43		6379 45	

**FITTINGS AND ACCESSORIES**

		<b>Outside 90° risers with cover</b> 	<b>End caps</b> 	<b>T kits</b> 	<b>T intersections</b> 	<b>Couplers</b> 	<b>Cantilever arms</b> PVC <sup>(1)</sup>  Steel <sup>(2)</sup> 	<b>Stand-off brackets</b> 	<b>Trapeze hangers</b> 	<b>Hinged couplers</b> 
		6377 07	6377 08	6378 70	6378 60	6377 90	6377 66 <sup>(1)</sup>	6377 81	6377 71	6377 93
		6377 17	6377 18	6378 71	6378 60	6377 90	6377 66 <sup>(1)</sup>	6377 81	6377 71	6377 93
		6377 27	6377 28	6378 72	6378 60	6377 90	6377 67 <sup>(1)</sup>	6377 82	6377 72	6377 93
		6377 37	6377 38	6378 73	6378 60	6377 91	6377 68 <sup>(1)</sup>	6377 83	6377 73	6379 93
		6377 47	6377 48	6378 74	6378 60	6377 91	6377 69 <sup>(1)</sup> 6379 78 <sup>(2)</sup>	6377 84	6377 74	6379 93
		6377 57	6377 58	6378 75	6378 60	6377 91	6379 79 <sup>(2)</sup>	6377 85	6377 75	6379 93
		6378 07	6378 08	6378 70	6378 60	6378 90	6377 66 <sup>(1)</sup>	6377 81	6377 71	6377 93
		6378 17	6378 18	6378 71	6378 60	6378 90	6377 66 <sup>(1)</sup>	6377 81	6377 71	6377 93
		6378 27	6378 28	6378 72	6378 60	6378 90	6377 67 <sup>(1)</sup>	6377 82	6377 72	6377 93
		6378 37	6378 38	6378 73	6378 60	6378 91	6377 68 <sup>(1)</sup>	6377 83	6377 73	6379 93
		6378 47	6378 48	6378 74	6378 60	6378 91	6377 69 <sup>(1)</sup> 6379 78 <sup>(2)</sup>	6377 84	6377 74	6379 93
		6378 57	6378 58	6378 75	6378 60	6378 91	6379 79 <sup>(2)</sup>	6377 85	6377 75	6379 93
		6379 07	6379 08	6379 70	6379 60	6379 90	6377 68 <sup>(1)</sup>	6377 83	6377 73	6379 93
		6379 17	6379 18	6379 71	6379 60	6379 90	6377 69 <sup>(1)</sup> 6379 78 <sup>(2)</sup>	6377 84	6377 74	6379 93
		6379 27	6379 28	6379 72	6379 60	6379 90	6379 79 <sup>(2)</sup>	6377 85	6377 75	6379 93
		6379 37	6379 38	6379 73	6379 60	6379 90	6379 80 <sup>(2)</sup>	6379 83	6379 76	6379 93
		6379 47	6379 48	6379 74	6379 60	6379 90	6379 81 <sup>(2)</sup>	6379 84	6379 77	6379 93

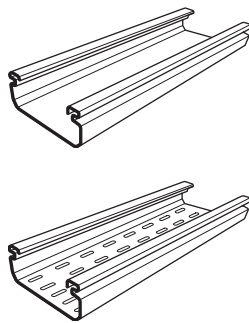
# PVC cable tray

## 50 mm depth



Selection chart (p. 10-11)  
 Technical information (p. 16-21)

Pack	Cat.Nos.	Cable trays
		Conform to EN 61537 Length : 3 metres Width x Depth (mm)
		<b>Unperforated</b>
24 <sup>(1)</sup>	6377 00	75 x 50
24 <sup>(1)</sup>	6377 10	100 x 50
18 <sup>(1)</sup>	6377 20	150 x 50
6 <sup>(1)</sup>	6377 30	200 x 50
6 <sup>(1)</sup>	6377 40	300 x 50
6 <sup>(1)</sup>	6377 50	400 x 50
		<b>Perforated</b>
24 <sup>(1)</sup>	6377 01	75 x 50
24 <sup>(1)</sup>	6377 11	100 x 50
18 <sup>(1)</sup>	6377 21	150 x 50
6 <sup>(1)</sup>	6377 31	200 x 50
6 <sup>(1)</sup>	6377 41	300 x 50
6 <sup>(1)</sup>	6377 51	400 x 50



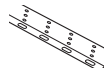
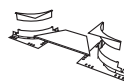
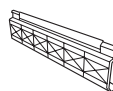
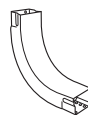
Pack	Cat.Nos.	Covers
		Length: 3 metres Width (mm)
24 <sup>(1)</sup>	6377 60	75
24 <sup>(1)</sup>	6377 61	100
18 <sup>(1)</sup>	6377 62	150
12 <sup>(1)</sup>	6377 63	200
12 <sup>(1)</sup>	6377 64	300
12 <sup>(1)</sup>	6377 65	400



Pack	Cat.Nos.	Fittings
		Width x Depth (mm)
		<b>Flat 90° bends with cover</b>
4	6377 03	75 x 50
4	6377 13	100 x 50
4	6377 23	150 x 50
2	6377 33	200 x 50
2	6377 43	300 x 50
1	6377 53	400 x 50



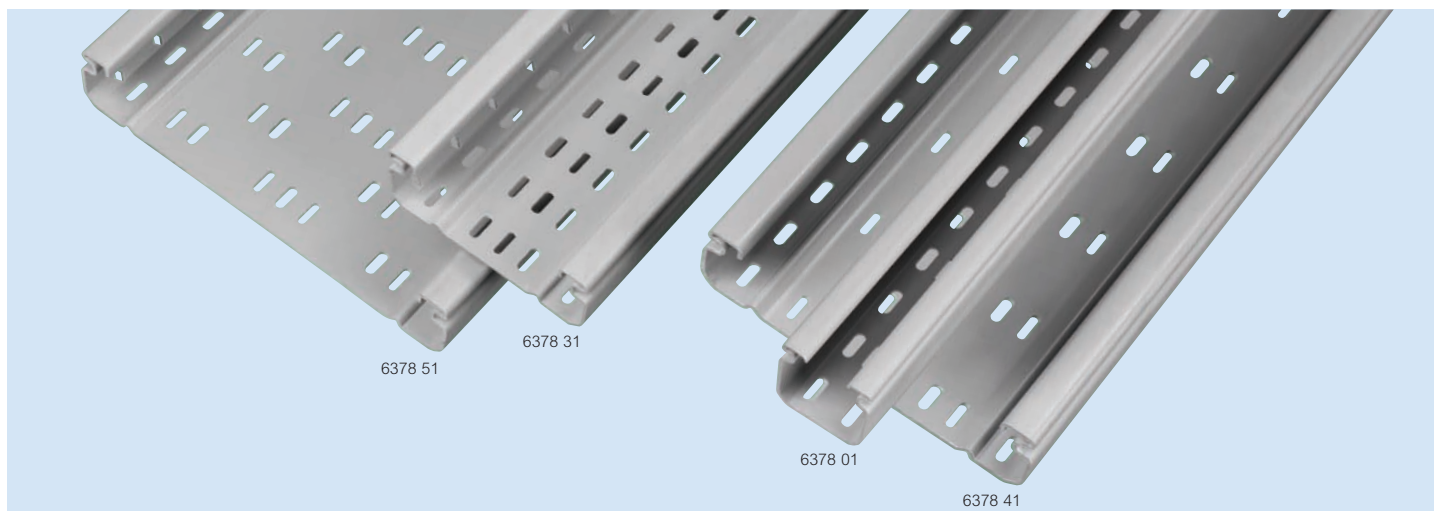
Pack	Cat.Nos.	Fittings (continued)
		Width x Depth (mm)
		<b>Inside 90° risers with cover</b>
4	6377 05	75 x 50
4	6377 15	100 x 50
4	6377 25	150 x 50
2	6377 35	200 x 50
2	6377 45	300 x 50
1	6377 55	400 x 50
		<b>Outside 90° risers with cover</b>
4	6377 07	75 x 50
4	6377 17	100 x 50
4	6377 27	150 x 50
2	6377 37	200 x 50
2	6377 47	300 x 50
1	6377 57	400 x 50
		<b>End caps</b>
2	6377 08	75 x 50
2	6377 18	100 x 50
2	6377 28	150 x 50
2	6377 38	200 x 50
2	6377 48	300 x 50
2	6377 58	400 x 50
		<b>Couplers</b>
20	6377 90	For 75 to 150 x 50
20	6377 91	For 200 to 400 x 50
		<b>Tee kits</b>
4	6378 70	For 75 x 50/75
2	6378 71	For 100 x 50/75
2	6378 72	For 150 x 50/75
1	6378 73	For 200 x 50/75
1	6378 74	For 300 x 50/75
1	6378 75	For 400 x 50/75
		<b>Tee intersection</b>
2	6378 60	For 50 mm depth tray
		<b>Divider</b>
42 <sup>(1)</sup>	6377 88	Length: 3 metres For 50 mm depth tray



(1) Number of metres in a pack

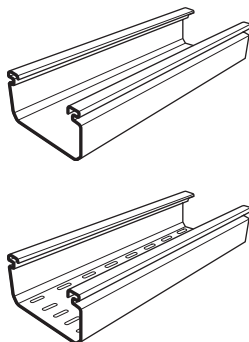
# PVC cable tray

75 mm depth



Selection chart (p. 10-11)  
 Technical information (p. 16-21)

Pack	Cat.Nos.	Cable trays
		Conform to EN 61537 Length : 3 metres Width x Depth (mm)
		<b>Unperforated</b>
24 <sup>(1)</sup>	6378 00	75 x 75
18 <sup>(1)</sup>	6378 10	100 x 75
12 <sup>(1)</sup>	6378 20	150 x 75
6 <sup>(1)</sup>	6378 30	200 x 75
6 <sup>(1)</sup>	6378 40	300 x 75
6 <sup>(1)</sup>	6378 50	400 x 75
		<b>Perforated</b>
24 <sup>(1)</sup>	6378 01	75 x 75
18 <sup>(1)</sup>	6378 11	100 x 75
12 <sup>(1)</sup>	6378 21	150 x 75
6 <sup>(1)</sup>	6378 31	200 x 75
6 <sup>(1)</sup>	6378 41	300 x 75
6 <sup>(1)</sup>	6378 51	400 x 75



Pack	Cat.Nos.	Covers
		Length: 3 metres Width (mm)
24 <sup>(1)</sup>	6377 60	75
24 <sup>(1)</sup>	6377 61	100
18 <sup>(1)</sup>	6377 62	150
12 <sup>(1)</sup>	6377 63	200
12 <sup>(1)</sup>	6377 64	300
12 <sup>(1)</sup>	6377 65	400



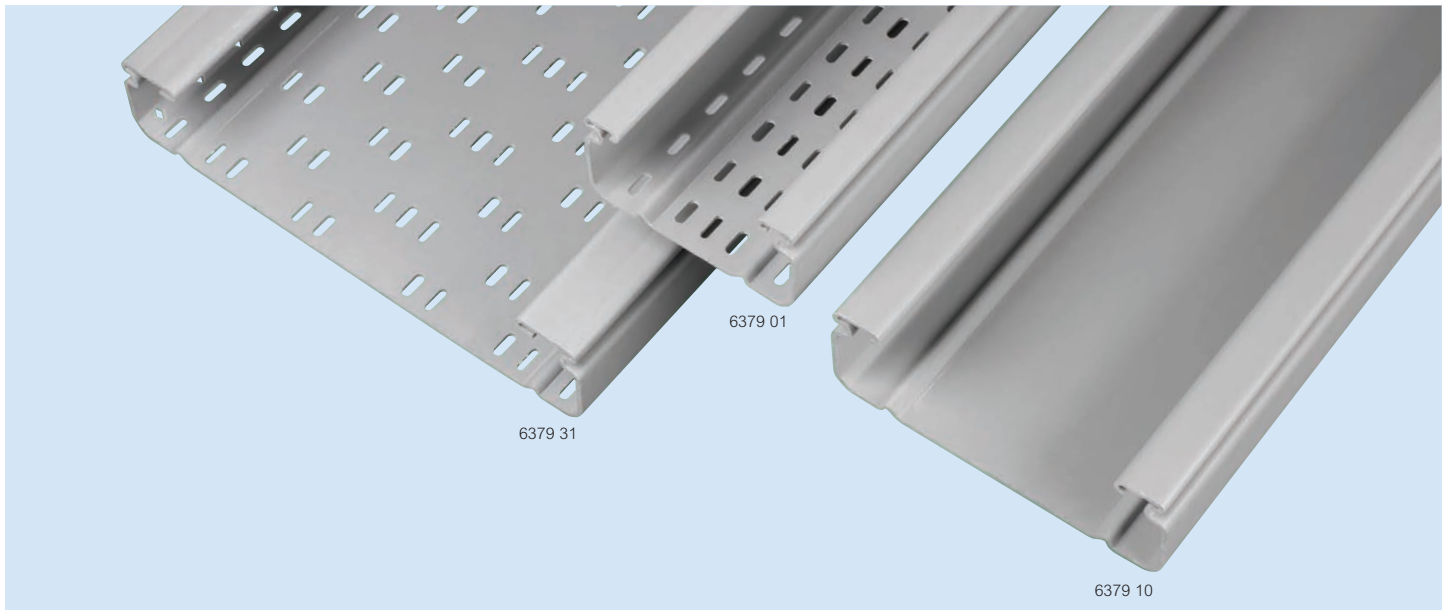
Pack	Cat.Nos.	Fittings
		Width x Depth (mm)
		<b>Flat 90° bends with cover</b>
4	6378 03	75 x 75
4	6378 13	100 x 75
4	6378 23	150 x 75
2	6378 33	200 x 75
2	6378 43	300 x 75
1	6378 53	400 x 75

Pack	Cat.Nos.	Fittings (continued)
		Width x Depth (mm)
		<b>Inside 90° risers with cover</b>
4	6378 05	75 x 75
4	6378 15	100 x 75
4	6378 25	150 x 75
2	6378 35	200 x 75
2	6378 45	300 x 75
1	6378 55	400 x 75
		<b>Outside 90° risers</b>
		<b>Outside 90° risers with cover</b>
4	6378 07	75 x 75
4	6378 17	100 x 75
4	6378 27	150 x 75
2	6378 37	200 x 75
2	6378 47	300 x 75
1	6378 57	400 x 75
		<b>End caps</b>
2	6378 08	75 x 75
2	6378 18	100 x 75
2	6378 28	150 x 75
2	6378 38	200 x 75
2	6378 48	300 x 75
2	6378 58	400 x 75
		<b>Couplers</b>
20	6378 90	For 75 to 150 x 75
20	6378 91	For 200 to 400 x 75
		<b>Tee kits</b>
4	6378 70	For 75 x 50/75
2	6378 71	For 100 x 50/75
2	6378 72	For 150 x 50/75
1	6378 73	For 200 x 50/75
1	6378 74	For 300 x 50/75
1	6378 75	For 400 x 50/75
		<b>Tee intersection</b>
2	6378 60	For 75 mm depth tray
		<b>Divider</b>
30 <sup>(1)</sup>	6378 88	Length: 3 metres For 75 mm depth tray

(1) Number of metres in a pack

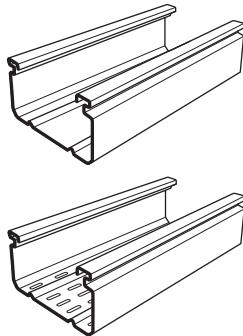
# PVC cable tray

## 100 mm depth

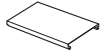


Selection chart (p. 10-11)  
 Technical information (p. 16-21)

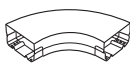
Pack	Cat.Nos.	Cable trays
		Conform to EN 61537 Length : 3 metres Width x Depth (mm)
		<b>Unperforated</b>
6 <sup>(1)</sup>	6379 00	200 x 100
6 <sup>(1)</sup>	6379 10	300 x 100
6 <sup>(1)</sup>	6379 20	400 x 100
6 <sup>(1)</sup>	6379 30	500 x 100
6 <sup>(1)</sup>	6379 40	600 x 100
		<b>Perforated</b>
6 <sup>(1)</sup>	6379 01	200 x 100
6 <sup>(1)</sup>	6379 11	300 x 100
6 <sup>(1)</sup>	6379 21	400 x 100
6 <sup>(1)</sup>	6379 31	500 x 100
6 <sup>(1)</sup>	6379 41	600 x 100



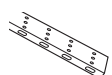
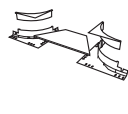
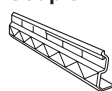
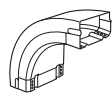
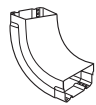
Pack	Cat.Nos.	Covers
		Length: 3 meters Width (mm)
12 <sup>(1)</sup>	6377 63	200
12 <sup>(1)</sup>	6377 64	300
12 <sup>(1)</sup>	6377 65	400
12 <sup>(1)</sup>	6379 63	500
12 <sup>(1)</sup>	6379 64	600



Pack	Cat.Nos.	Fittings
		Width x Depth (mm)
		<b>Flat 90° bends with cover</b>
1	6379 03	200 x 100
1	6379 13	300 x 100
1	6379 23	400 x 100
1	6379 33	500 x 100
1	6379 43	600 x 100



Pack	Cat.Nos.	Fittings (continued)
		Width x Depth (mm)
		<b>Inside 90° risers with cover</b>
1	6379 05	200 x 100
1	6379 15	300 x 100
1	6379 25	400 x 100
1	6379 35	500 x 100
1	6379 45	600 x 100
		<b>Outside 90° risers with cover</b>
1	6379 07	200 x 100
1	6379 17	300 x 100
1	6379 27	400 x 100
1	6379 37	500 x 100
1	6379 47	600 x 100
		<b>End caps</b>
2	6379 08	200 x 100
2	6379 18	300 x 100
2	6379 28	400 x 100
2	6379 38	500 x 100
2	6379 48	600 x 100
		<b>Coupler</b>
20	6379 90	For 200 to 600 x 100
		<b>Tee kits</b>
1	6379 70	For 200 x 100
1	6379 71	For 300 x 100
1	6379 72	For 400 x 100
1	6379 73	For 500 x 100
1	6379 74	For 600 x 100
		<b>Tee intersection</b>
2	6379 60	For 100 mm depth tray
		<b>Divider</b>
24 <sup>(1)</sup>	6379 88	Length: 3 meters For 100 mm depth tray

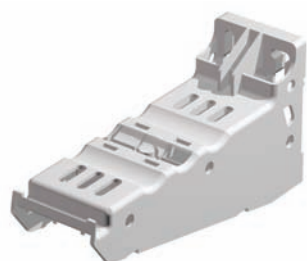


(1) Number of metres in a pack



# PVC cable tray

## supports and accessories



6377 69



6379 80



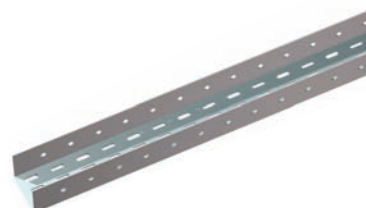
6377 74



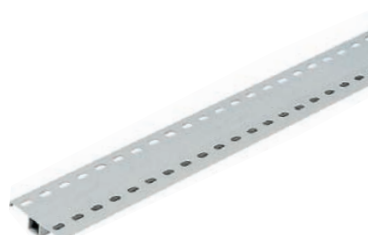
6379 55



6377 84



6379 50



6379 56



6379 85

Selection chart (p. 10-11)  
Technical information (p. 16-21)

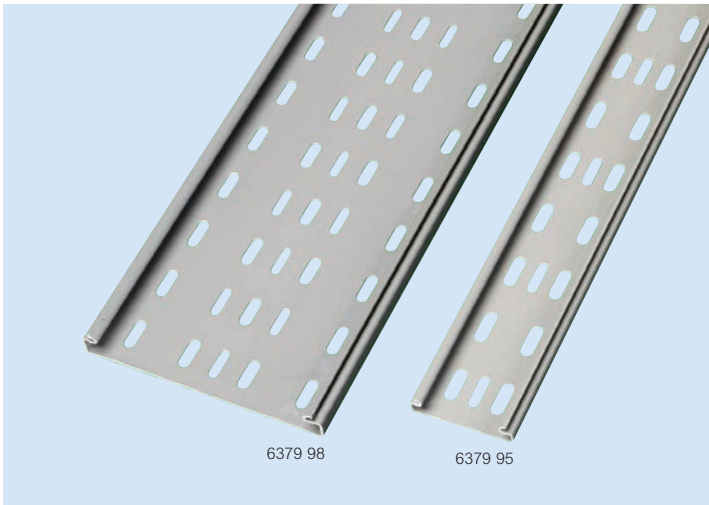
Pack	Cat.Nos.	Supports
		<b>Cantilever arms</b> (width mm)
		PVC
8	6377 66	For 75/100
6	6377 67	For 150
4	6377 68	For 200
4	6377 69	For 300
		Steel - plastic coated
2	6379 78	For 300
2	6379 79	For 400
2	6379 80	For 500
2	6379 81	For 600
		<b>Trapeze hangers</b> (width mm)
8	6377 71	For 75/100
6	6377 72	For 150
4	6377 73	For 200
4	6377 74	For 300
4	6377 75	For 400
4	6379 76	For 500
4	6379 77	For 600
		<b>Stand-off brackets</b> (width mm)
8	6377 81	75/100
6	6377 82	150
4	6377 83	200
4	6377 84	300
4	6377 85	400
4	6379 83	500
4	6379 84	600

Pack	Cat.Nos.	Accessories
		<b>Pendant channels</b> - length 2 m
8 <sup>(1)</sup>	6379 50	PVC
8 <sup>(1)</sup>	6379 86	Steel - plastic coated
		<b>Fixing pins</b>
100	6379 51	PVC M8
50	6379 52	Steel M8
		<b>Nut and bolts</b>
100	6379 53	PVC M8 x 20
100	6379 87	Stainless steel M8 x 20
		<b>Rapid fix rivet</b>
100	6379 54	Rivet
		<b>Ceiling brackets</b>
8	6379 55	PVC - 2 brackets required to be used with a pendant
6	6379 85	Steel - plastic coated
		<b>Hinged couplers</b>
20	6377 93	Width 75-150 mm
20	6379 93	Width 200-600 mm
		<b>Tele rail</b>
42 <sup>(1)</sup>	6379 56	Length 2 m
		<b>Tele rail end cap</b>
20	6379 57	

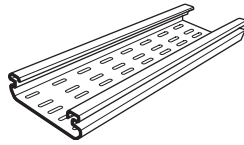
(1) Number of metres in a pack

## PVC cable tray

data tray : 17 mm depth



Pack	Cat.Nos.	Data tray
		Length : 3 metres
		Width x Depth (mm)
24 <sup>(1)</sup>	6379 95	75 x 17
24 <sup>(1)</sup>	6379 96	100 x 17
18 <sup>(1)</sup>	6379 97	150 x 17
12 <sup>(1)</sup>	6379 98	200 x 17



Pack	Cat.Nos.	Telex rail
		Length : 2 metres
		Width x Depth (mm)
20 <sup>(1)</sup>	6379 94	50 x 17

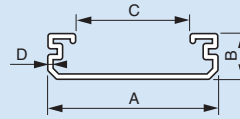
## PVC cable tray

technical information

### ■ Dimensions for 50, 75 and 100 mm depth trays

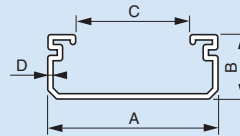
Perforation slot size 9 x 25 and 7 x 25 mm

Width 75 to 150 x Depth 50 mm



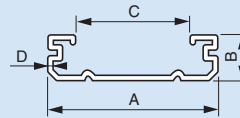
Cat. Nos.		A (mm)	B (mm)	C (mm)	D (mm)	Cable Capacity (mm <sup>2</sup> )
Non perforated	Perforated					
6377 00	6377 01	75	50	32.4	2.1	2 862
6377 10	6377 11	100	50	57	2.3	4 055
6377 20	6377 21	150	50.2	106.6	2.6	6 366

Width 75 to 150 x Depth 75 mm



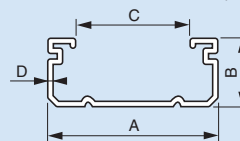
Cat.Nos. A		A (mm)	B (mm)	C (mm)	D (mm)	Cable Capacity (mm <sup>2</sup> )
Non perforated	Perforated					
6378 00	6378 01	75	75	32	2.3	4 622
6378 10	6378 11	100	75	57	2.3	6 440
6378 20	6378 21	150	75.3	106.2	2.7	9 961

Width 200 to 400 x Depth 50 mm



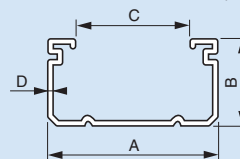
Cat.Nos.		A (mm)	B (mm)	C (mm)	D (mm)	Cable Capacity (mm <sup>2</sup> )
Non perforated	Perforated					
6377 30	6377 31	200	50	136.6	2.5	7 934
6377 40	6377 41	300	52	232.6	3.5	12 825
6377 50	6377 51	400	53	330.6	4	17 821

Width 200 to 400 x Depth 75 mm



Cat.Nos.		A (mm)	B (mm)	C (mm)	D (mm)	Cable Capacity (mm <sup>2</sup> )
Non perforated	Perforated					
6378 30	6378 31	200	75	138.8	2.8	12 690
6378 40	6378 41	300	77	234.4	3.8	19 601
6378 50	6378 51	400	77.8	332.8	4.2	26 879

Width 200 to 600 x Depth 100 mm



Cat.Nos.		A (mm)	B (mm)	C (mm)	D (mm)	Cable Capacity (mm <sup>2</sup> )
Non perforated	Perforated					
6379 00	6379 01	200	100	130	3.8	16 979
6379 10	6379 11	300	100.4	210	4	26 728
6379 20	6379 21	400	101.4	300	4.5	36 468
6379 30	6379 31	500	101.4	370	4.5	45 893
6379 40	6379 41	600	102	470	4.8	55 206

(1) Number of metres in pack

### ■ Cable loading information

The table below gives safe working loads (SWL) in daN/m. SWL are acceptable up to 40 °C for span of 1.5 m and 60 °C for span of 1 m, on the European test standard

Profile widths (mm)	Profile depths (mm)		
	Depth 50	Depth 75	Depth 100
75	7	12	-
100	10	16	-
150	15.5	25	-
200	19.5	35	42
300	27	48	66
400 <sup>(1)</sup>	41	70	90
500 <sup>(1)</sup>	-	-	113
600 <sup>(1)</sup>	-	-	135.5

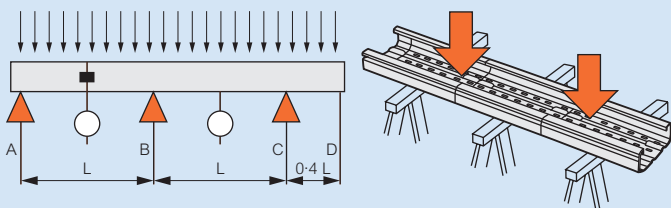
(1) Reinforcement across the joint using a tele rail marked during tests

### ■ Safe working load test

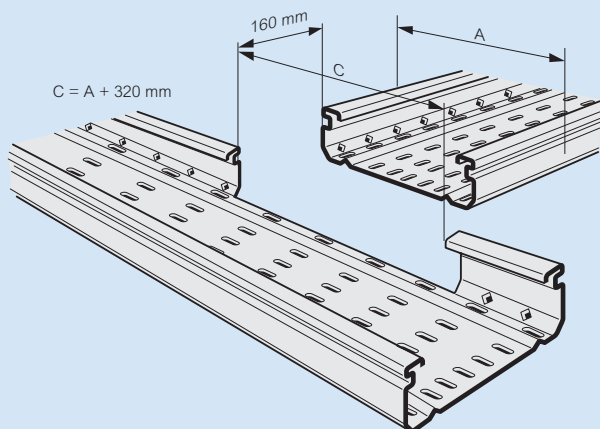
The test for cable loading conforms to BS EN 61537 test type 1

The following conditions apply to the test as shown in diagram below

1. The cable tray is supported at 1.5 m spans and not fixed to supports during tests
2. The coupler joint is at the centre of support A – B
3. The fixing torque for coupler bolts is 2.5 Nm
4. The test load is a uniformed distributed load (UDL) over the test area of 2 spans and cantilever
5. The longitudinal deflection on a span is limited to span length divided by 100
6. The transversal deflection reached in the centre of the cable tray bed is limited to bed width divided by 20



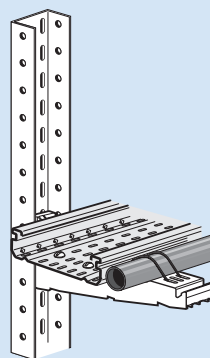
### ■ Tee kits



A x B (mm)		A x B (mm)		A x B (mm)	
75 x 50 75 x 75	6378 70	200 x 50 200 x 75	6378 73	400 x 50 400 x 75	6378 75
100 x 50 100 x 75	6378 71	200 x 100	6379 70	400 x 100	6379 72
150 x 50 150 x 75	6378 72	300 x 50 300 x 75	6378 74	500 x 100	6379 73
		300 x 100	6379 71	600 x 100	6379 74

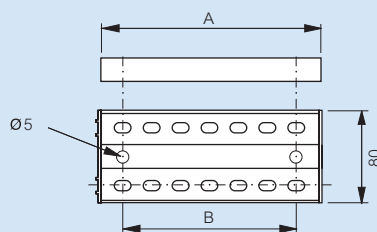
### ■ Cantilever arms

PVC		Steel - plastic coated	
A x B (mm)		A x B (mm)	
75 x 50 75 x 75 100 x 50 100 x 75	6377 66	300 x 50 300 x 75 300 x 100	6379 78
150 x 50 150 x 75	6377 67	400 x 50 400 x 75 400 x 100	6379 79
200 x 50 200 x 75 200 x 100	6377 68	500 x 100	6379 80
300 x 50 300 x 75 300 x 100	6377 69	600 x 100	6379 81



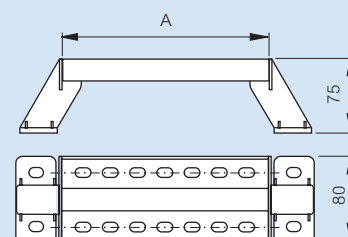
Cat.Nos	Load (daN)
6377 66	25
6377 67	40
6377 68	65
6377 69	75
6379 78	100
6379 79	135
6379 80	170
6379 81	205

### ■ Trapeze hangers



Cat.Nos	A (mm)	B (mm)	Load (daN)
6377 71	147	115	25
6377 72	197	165	40
6377 73	247	215	65
6377 74	347	315	100
6377 75	447	415	135
6379 76	547	515	170
6379 77	647	615	205

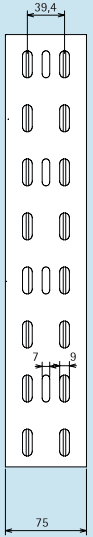
### ■ Stand-off brackets



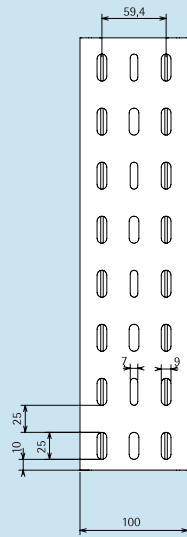
Cat.Nos	A (mm)
6377 81	100
6377 82	150
6377 83	200
6377 84	300
6377 85	400
6379 83	500
6379 84	600

# PVC cable tray technical information

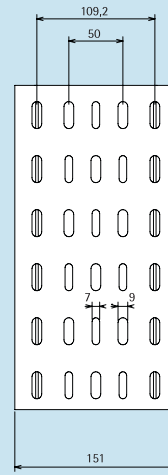
## ■ Perforation details



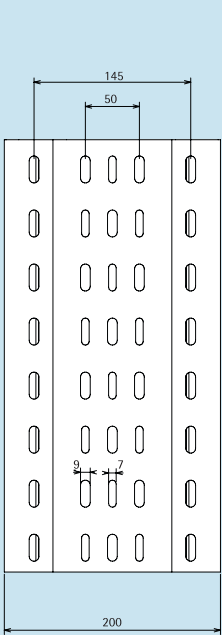
width 75



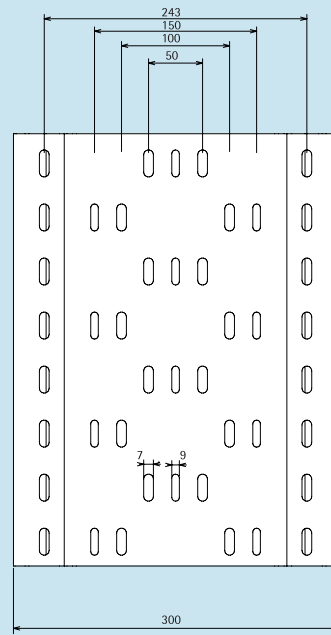
width 100



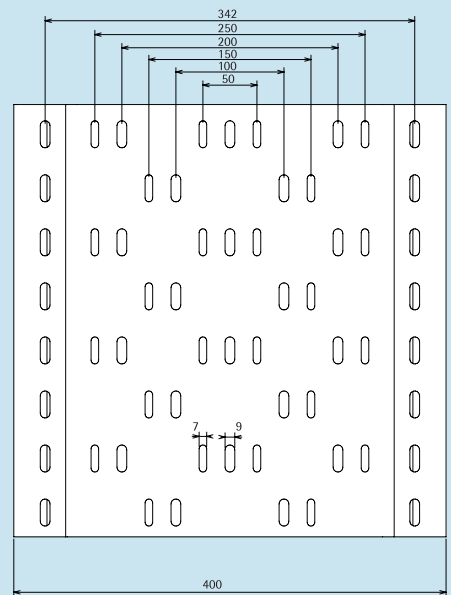
width 151



width 200

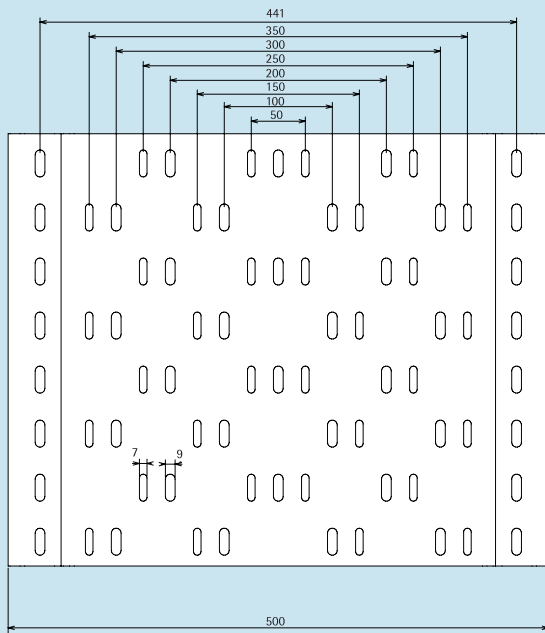


width 300

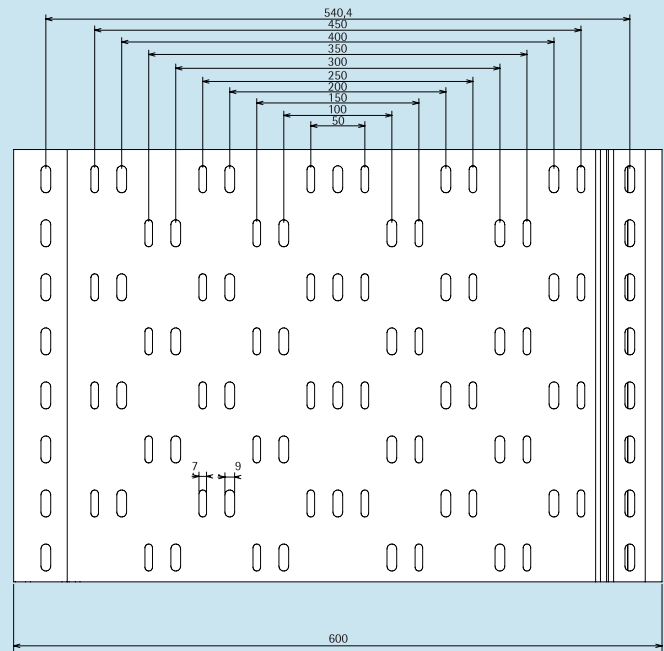


width 400

■ Perforation details (continued)



width 500



width 600

■ Resistance to impacts

The products are tested at -5 °C temperature according to EN 61537 standard

		Width (mm)							
		75	100	150	200	300	400	500	600
Depth (mm)	50	5 J	5 J	10 J 20 J <sup>(1)</sup>	10 J	10 J	10 J		
	75	5 J	10 J	10 J 20 J <sup>(1)</sup>	20 J	20 J	20 J		
	100				20 J	20 J	20 J	20 J	20 J

(1) Unperforated

# PVC cable tray

## resistance to chemical agents for PVC

The properties stated below are purely for technical information, being based on common experience as well as the average results obtained from tests carried out. They do not entail any responsibility on the part of the manufacturer.

Chemical agents	Concentration %	Temperature °C	PVC resistance <sup>(1)</sup>	Chemical agents	Concentration %	Temperature °C	PVC resistance <sup>(1)</sup>
Acetaldehyde	100	20	N	Carbon disulphide	100	20	M
Acetaldehyde, water solution	40	40	M	Carbon tetrachloride	100/100	20/60	N/N
Acetic acid, anhydride	100/100	20/60	N/N	Caustic soda solution (soda lime, sodium)	up to 40/ up to 40/50	40/60/60	R/M/R
Acetic acid, glacial	100/100	2 /40	M/N	Chloramine, water solution	dilute	20	R
Acetic acid, water solution	up to 25/up to 25 25/60/80	40/60 60/40	R/M R/M	Chloric acid, water solution	1/1	40/60	R/R
Acetone	100	20	N	Chlorine, gaseous, dry	100	20	M
Acetone, water solution	trace	20	N	Chlorine, gaseous, moist	0.5/1-0	20/20	R/M
Acetylene gaseous, dry and moist	100	20	M	Chlorine water	saturated	20	M
Acrylic-acid ethyl ester	100	20	N	Chloroacetic acid (moni)	100/100	40/60	R/M
Alum, all kinds, water solution	dilute/dilute/saturated (k)	40/60/60	R/M/R	Chloroform	100	20	N
Aluminium chloride, water solution	dilute/dilute/saturated (k)	40/60/60	R/M/R	Chlorosulphonic acid	100	20	M
Aluminium sulphate, water solution	dilute/dilute/saturated (k)	40/60/60	R/M/R	Chromic acid/sulphate acid/water	50/15/35	15/40	R
Ammonia, caustic	saturated/saturated	40/60	R/M	Chromic acid, water solution	80/80	20/60	R/M
Ammonia, gaseous	100	60	R	Citric acid, water solution	up to 10/up to 10/saturated (k)	40/60/60	R/M/R
Ammonia, liquid	100	20	M	Copper sulphate, water solution	dilute/dilute/saturated (k)	40/60/60	R/M/R
Ammonium chloride, water solution	dilute/dilute	40/60	R/M	Cresol, water solution	up to 90	45	R
Ammonium nitrate, water solution	dilute/dilute/saturated (k)	40/60/60	R/M/R	Crotonaldehyde	100	20	N
Ammonium sulphate, water solution	dilute/dilute/saturated (k)	40/60/60	R/R/R	Cyclohexanol	100	20	N
Amyl alcohol	96	20	M	Cyclohexanone	100	20	N
Aniline, pure	100	20	N	Dextrin, water solution	saturated/18	20/60	R/M
Aniline, water solution	saturated	20	N	Dichromate sulphuric acid (cleaning agent)	normal/service conc.	20/50	M/N
Aqua regia (hydrochloric + nitric acid)	normal service conc.	20	M	Diesel oil	100	20	R
Art. Fertiliser salts, water solution	saturated (k)	60	R	Dimethylamine	100	30	M
Beer	-	20	R	Ethereal oils	100	60	R
Benzaldehyde	0.1	60	N	Ethyl acetate	100	20	N
Benzene	100	20	N	Ethylalcohol, water solution	any/96	20/60	R/M
Benzoic acid, water solution	any	20	R	Ethyl ether	100	20	N
Bleach, 12 1/2 active Cl	service conc./service conc.	40/60	R/M	Ethylene, gaseous + liquid	100	20	R
Borax, water solution	dilute/dilute/saturated (k)	40/60/60	R/M/M	Ethylene oxide	100	20	N
Boric acid, water solution	dilute/dilute/saturated (k)	40/60/60	R/M/M	Fatty acids (veg & anim.)	100	60	R
Bromium, liquid	100	20	N	Ferric chloride, water solution	up to 10/up to 10/saturated (k)	40/60/60	M/R/R
Buladiene	100	20	R	Formaldehyde, water solution	up to 10/up to 10/40	40/60/60	R/M/R
Butane, gaseous and liquid	100	20	R	Formic acid	100/100	20/60	M/R
Butanol	100	20	R	Formic acid, water solution	up to 50	40	M/R
Butanol, water solution	any	60	M	Fruit juices	-	20	N
Butyl, acetate	100	20	N	Glycerol, water solution	any	60	N
Butylene, liquid	100	20	R	Glycol, water solution	10 - 100	20 - 60	N
Butyric acid	conc.	20	N	Glycocoll, water solution	10	40	N
Calcium chloride, water solution	dilute/saturated (k)	40/60	R/M	Glucose, water solution	saturated	20	M
Calcium nitrate, water solution	50	40	R	Grape sugar, water solution	saturated (k)/saturated (k)	20/60	N/M
Carbonide (urea), water solution	up to 10/up to 10/33	40/60/60	R/M/R	n - Heptane	100	20	N
Carbon dioxide, dry	100	60	R	n - Hexane	100	20	N
Carbon dioxide, moist	any	40	R	Hydrobromic acid, water solution	up to 10/up to 10	40/60	N/M
Carbon dioxide, water solution at 9 bar («Carbonic acid»)	saturated	20	R	Hydrochloric acid, water solution	up to 30/up to 30	40/60 over 30/over 30	N/M N/N

(1) N = Non-resistant R = Resistant M = Marginally resistant

# PVC cable tray

## resistance to chemical agents for PVC (continued)

The properties stated below are purely for technical information, being based on common experience as well as the average results obtained from tests carried out. They do not entail any responsibility on the part of the manufacturer.

Chemical agents	Concentration %	Temperature °C	PVC resistance <sup>(1)</sup>	Chemical agents	Concentration %	Temperature °C	PVC resistance <sup>(1)</sup>
Hydrogen chloride gas, dry + moist	any	20/60	N	Potassium nitrate, water solution	dilute/dilute/saturated (k)	40/60/60	R/M/R
Hydrogen peroxide, water solution	up to 30/up to 30	20/50	N/N	Potassium perchlorate, water solution	1/1	40/60	R/M
Hydrogen sulphide, dry	100	60	N	Potassium permanganate, water solution	up to 18	40	R
Hydrogen sulphide, water solution	saturated (v)/saturated (v)	40/60	N/M	Potassium persulphate, water solution	dilute/dilute saturated (k)/saturated (k)	40/60 40/60	R/M R/M
Hydroxylamine sulphate, water solution	up to 12	35	N	Propane, gaseous	100	20	R
Iodine, tincture	services conc	20	R	Propane, liquid	100	20	R
Lead acetate, water solution	saturated (v)/dilute dilute/saturated (k)	50/40 60/60	R/R M/R	Pyridine	100	20	N
Magnesium chloride, water solution	dilute/dilute/saturated (k)	40/60/60	R/M/R	Seawater	/	40/60	R/M
Magnesium sulphate, water solution	dilute/dilute/saturated (k)	40/60/60	R/M/R	Silicic acid, water solution	any	60	R
Maleic acid, water solution	saturated (k)/saturated (k)	40/60	R/M	Silver nitrate, water solution	up to 8/up to 8	40/60	R/M
Methyl alcohol, methanol	100/100	60/60	R/M	Soap solution in water (soap suds)	conc./conc.	20/60	R/M
Methyl ethyl ketone, MEK	100	20	N/M	Sodium benzoate, water solution	up to 10	40	R
Methylamine, water solution	32	20	M	Sodium bisulphite, water solution	dilute/dilute/saturated (k)	40/60/60	R/M/R
Methylene chloride	100	20	R	Sodium carbonate, water solution (soda)	dilute/dilute/saturated (k)	40/60/60	R/M/R
Molasses	normal	20	R	Sodium chlorate, water solution	up to 10/up to 10/saturated (k)	40/60/60	R/M/R
Nickel sulphate, water solution	dilute/dilute/saturated (k)	40/60/60	R/R/R	Sodium chloride, water solution (common salt)	dilute/dilute/saturated (k)	40/60/60	R/M/R
Nitric acid, water solution	up to 50 / 98	50/20	M/N	Sodium chloride, water solution	dilute/dilute	20/60	M/R
Nitric oxide	highly conc./highly conc.	20/60	M/N	Sodium hypochlorite, water solution	dilute	20	R
Oils, mineral (fuel, motor, lube)	100/100	20/60	R/R	Starch, water solution	any/any	40/60	R/M
Oxalic acid, water solution	dilute/dilute/saturated (k)	40/60/60	R/M/R	Stearic acid	100	60	M
Ozone	100	20	R	Sulphur dioxide	100/100	10/60	M/R
Petrol (gasoline)	100/100	20/60	R/R	Sulphur dioxide, dry	any	60	R
Petrol (gasoline)/benzene mixture	from 80/20	20	R	Sulphur dioxide, moist + water solution	50/any	50/60	R/R
Petroleum (crude oil)	100	20	R	Sulphuric acid, water solution	up to 40/up to 40 70/70 80-90/98/98	40/60 20/60 40/20/60	M/R M/R M/R
Phenol, water solution	up to 90	45	M	Sulphuric/nitric acid mixture	50/50 50/50	20/40	M/R
Phenylhydrazine	100	20	N	Tallow	100	20	R
Phosgene, gaseous	100/100	20/60	R/M	Tetraethyl lead	100	20	R
Phosgene, liquid	100	20	N	Tetrahydrofuran	100	20	N
Phosphoric acid, water solution	up to 30/up to 30/40 80/80/95	40/60/60 20/60/60	R/M/R R/R/R	Toluene (tolual)	100	20	N
Phosphorus pentoxide	100	20	R	Transformer oil	100	60	R
Phosphorus trichloride	100	60	N	Triethanolamine	100	20	N
Photographic developer	service conc.	40	R	Urine	normal	40	R
Photographic fixer	service conc.	40	R	Vinegar	commercial/grade	50/60	R/M
Picric acid, water solution	1	20	R	Vinyl acetate, liquid	100	20	N
Potash lime	up to 40/up to 50 - 60	40/60/60	R/M/R	Vinyl chloride, gaseous + liquid	100	20	N
Potassium bromide, water solution	dilute/dilute/saturated (k)	40/60/60	R/M/R	Water (not ag. Dest)	100/100	40/60	R/M
Potassium carbonate, water solution	saturated (k)	60	R	Whiskey and all other spirits	service conc.	20	R
Potassium chloride, water solution	dilute/dilute/saturated (k)	40/60/60	R/M/R	Xylene (dimethylbenzene, xylo)	100	20	N
Potassium dichromate, water solution	40	20	R	Zinc chloride, water solution	dilute/saturated (k)	60/60	M/R
Potassium ferricyanide and ferrocyanide, water solution	dilute/dilute/saturated (k)	40/60/60	R/M/R				

(1) N = Non-resistant R = Resistant M = Marginally resistant



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