

available
up to
110 GHz



distribute
elspec

elspec distribute

Microwave Cable Assemblies

for test & measurement applications

EDITION 2

Standard products

The elspec group offers a variety of standard products of Teledyne Storm Microwave cables.

These cables are held on stock and are available much faster than customized cables.

Customized cable assembly solutions are available on request.

For more information on our divers distribution system visit us at www.elspecgroup.de, or contact us directly and send us an email to sales@elspecgroup.de.



DuraTest™ – HARD-TO-HURT™

available frequencies:

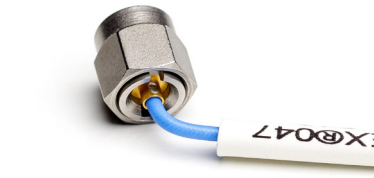
8 GHz 18 GHz 26.5 GHz

measurement and test criteria	DuraTest™
designed for day to day RF measurements	●
measuring precision at moving cable	◐
adaption of microelectronics modules	○
high connector demand	●
phase stability	◐
halogen free	○

Storm Flex® – THE MOST FLEXIBLE COAX CABLE

available frequencies:

8 GHz 18 GHz 26.5 GHz 40 GHz 50 GHz 65 GHz 110 GHz



measurement and test criteria	Storm Flex®
designed for day to day RF measurements	◐
measuring precision at moving cable	◐
adaption of microelectronics modules	●
high connector demand	◐
phase stability	◐
halogen free	○



True Blue® – LOW LOSS FLEXIBLE

available frequencies:

8 GHz 18 GHz 26.5 GHz

measurement and test criteria	True Blue®
designed for day to day RF measurements	◐
measuring precision at moving cable	◐
adaption of microelectronics modules	◐
high connector demand	◐
phase stability	●
halogen free	○



dB Miser™ – ULTRA LOW LOSS CABLE ASSEMBLIES

available frequencies:

12 GHz 18 GHz 26.5 GHz 40 GHz 50 GHz

measurement and test criteria	dB Miser™
designed for day to day RF measurements	◐
measuring precision at moving cable	◐
adaption of microelectronics modules	○
high connector demand	◐
phase stability	◐
halogen free	○

● eminently suitable

◐ suitable

○ conditionally suitable

○ not suitable

How to Order:

Please name the elspec article number when ordering one of our standardized products. This makes it much easier for our sales team to coordinate and process your order correctly. If not mentioned otherwise we have the product available on stock at elspec group.

Definition:

Assembly	connector + cable + connector
SMA SP	SMA Straight Plug
N SP	N Straight Plug
SMA SJ	SMA Straight Jack
N SJ	N Straight Jack

DuraTest™

Article-No.	Product	Description	Connector	Price per piece
18799	18 GHz Cable Assembly	DURATEST-N11-N11-1220	N SP auf N SP	125 €
18822	18 GHz Cable Assembly	DURATEST-SMA11-N11-2030	SMA SP auf N SP	141 €
18823	18 GHz Cable Assembly	DURATEST-N11-N11-2030	N SP auf N SP	141 €
19009	18 GHz Cable Assembly	DURATEST-SMA11-N11-1220	SMA SP auf N SP	125 €
19048	18 GHz Cable Assembly	DURATEST-N11-N11-0910	N SP auf N SP	109 €
19048	26.5 GHz Cable Assembly	DURATEST-SMA11-SMA11-1220	SMA SP auf SMA SP	125 €

STORM FLEX®

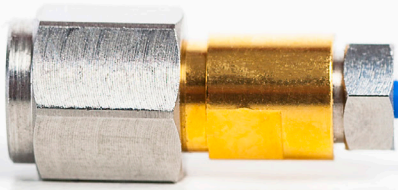
Article-No.	Product	Description	Connector	Price per piece
19462	18 GHz Cable Assembly	STFLEX047-SMA11-SMA11-400	SMA SP auf SMA SP	89 €
18507	18 GHz Cable Assembly	STFLEX086-SMA11-SMA11-10in/254mm	SMA SP auf SMA SP	70 €
18509	18 GHz Cable Assembly	STFLEX141-SMA11-SMA11-24in/610mm	SMA SP auf SMA SP	63 €
18510	18 GHz Cable Assembly	STFLEX141-SMA11-SMA11-36in/914mm	SMA SP auf SMA SP	67 €

18761	40 GHz Cable Assembly	STFLEX086-2.9211-2.9211-5.9inch	2.92mm SP auf 2.92mm auf SP	125 €
18784	40 GHz Cable Assembly	STFLEX086-2.9211-2.9211-3.9inch	2.92mm SP auf 2.92mm auf SP	137 €
19210	40 GHz Cable Assembly	STFLEX086-2.9211-2.9211-0400	2.92mm SP auf 2.92mm auf SP	141 €
19478	67 GHz Assembly	STFLEX047-1.85mm(SP)-1.85 mm(SP)-0305	1.85mm SP auf 1.85mm SP	216 €
19599	67 GHz Assembly	STFLEX047-1.85mm(SP)-1.85mm(SP)-0900	1.85mm SP auf 1.85mm SP	305 €

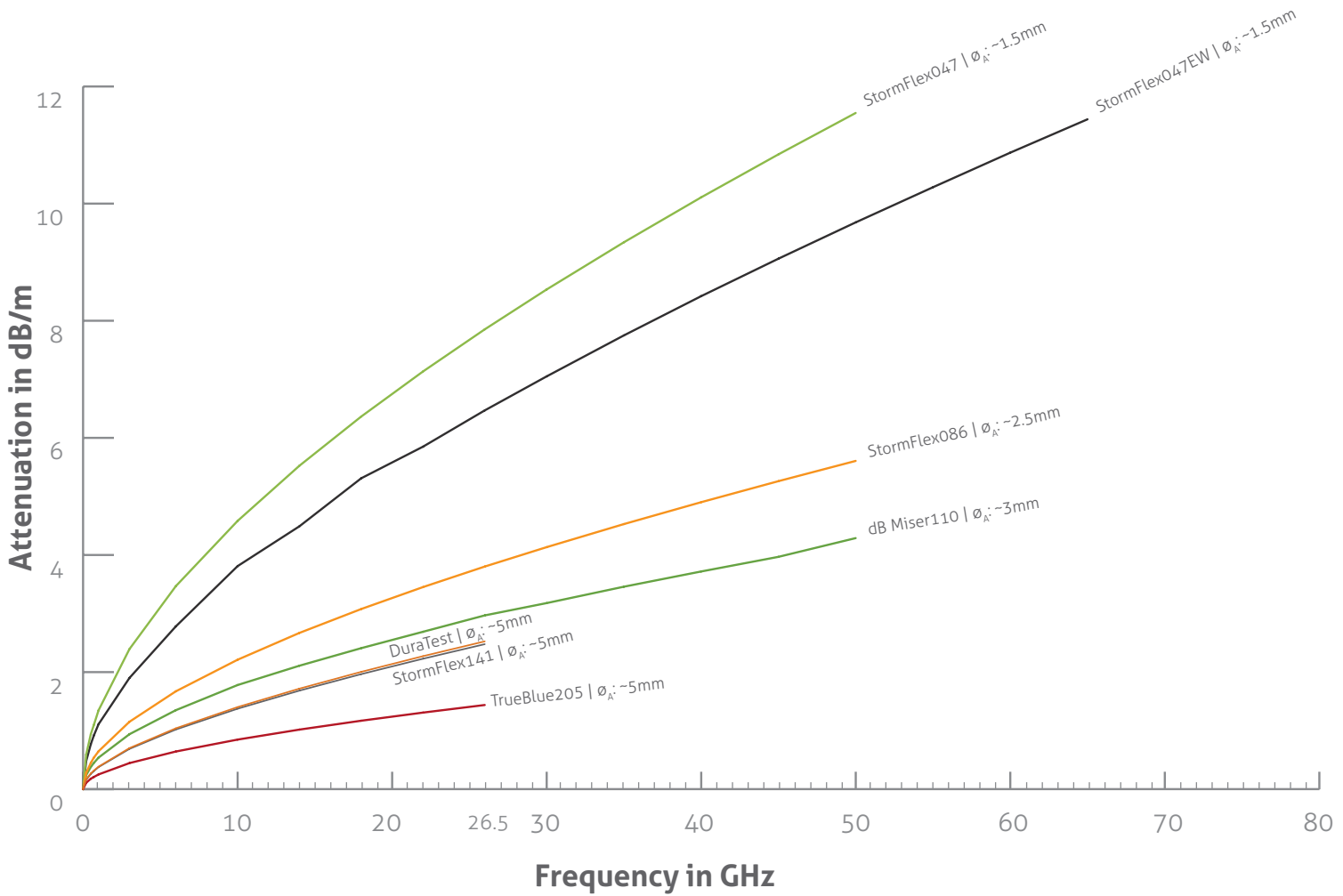
True Blue® und dB Miser™

Article-No.	Product	Description	Connector	Price per piece
19274	18 GHz Cable Assembly	TrueBlue205-SMA11-N11-0500	SMA SP auf N SP	105 €
19360	18 GHz Cable Assembly	TrueBlue205HH-SMA11-SMA11-1210-HTOH	SMA SP auf SMA SP	177 €
19728	50 GHz Assembly	DBMISER110-2411-2411-1300	2.4mm SP auf 2.4mm SP	376 €





Typical Attenuation in comparison for Teledyne Storm Microwave Cables:



Do you have technical questions? We are here to help you!

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manufactured by elspec group

For lower frequencies between 3 GHz and 12.5 GHz, elspec group offers the elspec eBudget series with the **EcoTest**. It has a foamed polyethylene and PTFE dielectric, the interior conductor was coordinated to 50 Ω within a small tolerance window.

The benefits:

- Broadband usable up to 12.5 GHz
- Shielding effectiveness >90dB
- High mechanical durability
- Halogen-free and flame-resistant
- Excellent price/performance ratio

MRC-Cable

measurement and test criteria	MRC-Cable
designed for day to day RF measurements	●
measuring precision at moving cable	◐
adaption of microelectronics modules	◐
high connector demand	○
phase stability	◐
halogen free version without PTFE/FEP/PUR	●



SR-HandFlex / SRF-Series

measurement and test criteria	SR-HandFlex
designed for day to day RF measurements	○
measuring precision at moving cable	◐
adaption of microelectronics modules	●
high connector demand	◐
phase stability	◐
halogen free version without PTFE/FEP/PUR	○



Low Loss Series (SB142/LL142)

measurement and test criteria	Low Loss
designed for day to day RF measurements	●
measuring precision at moving cable	◐
adaption of microelectronics modules	○
high connector demand	●
phase stability	◐
halogen free version without PTFE/FEP/PUR	○



RG Cable Series (RG142/RG400/SS405/SS402)

measurement and test criteria	RG Cables
designed for day to day RF measurements	◐
measuring precision at moving cable	◐
adaption of microelectronics modules	○
high connector demand	◐
phase stability	◐
halogen free version without PTFE/FEP/PUR	○



EcoTest

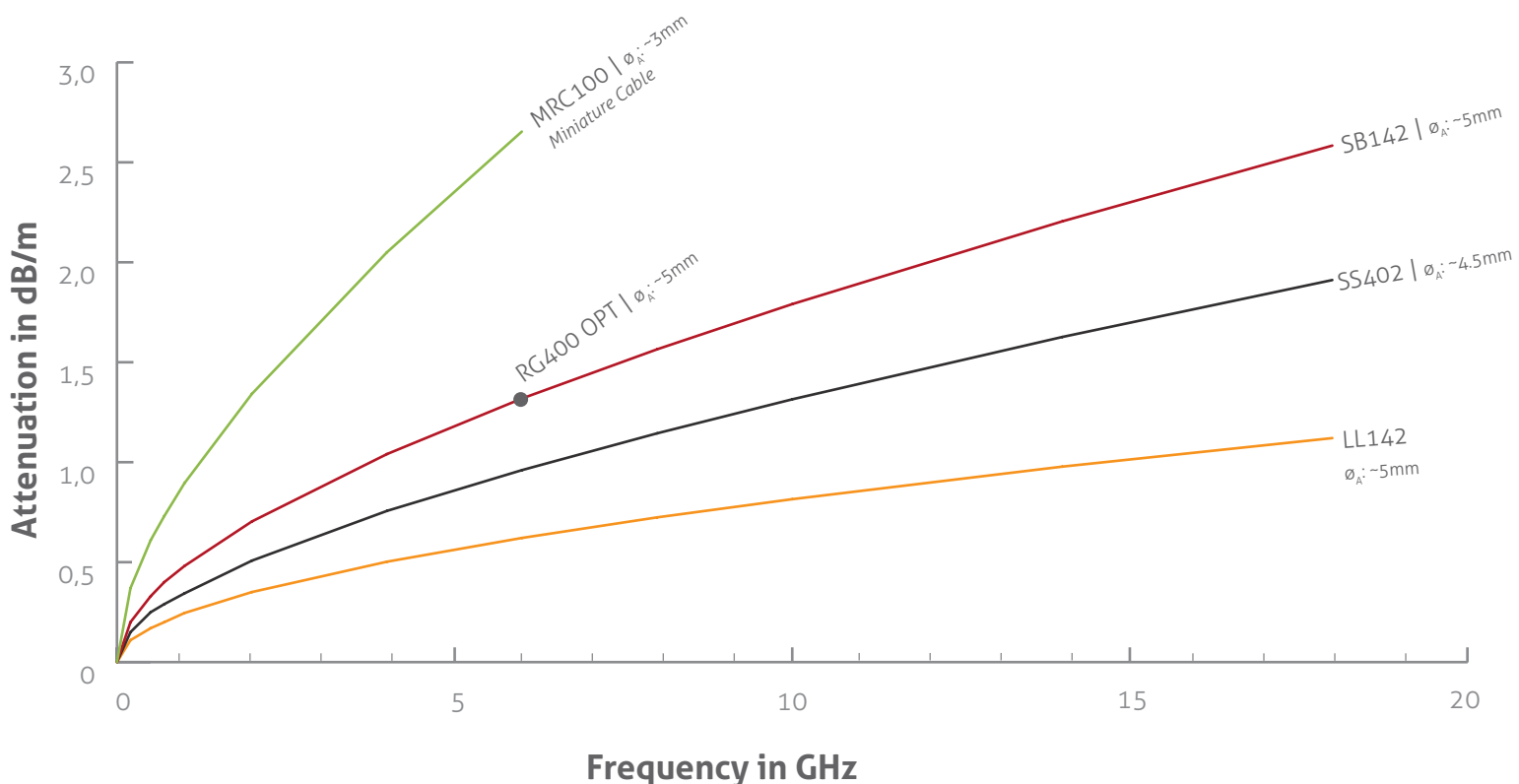
Article-No.	Product	Cable	Description	Connector	Price per piece
19136	3 GHz Cable Assembly	MRC100XLFRNCB	flexible doubleshielded 500mm long	SMA SP auf SMA SP	23 €
16031	3 GHz Cable Assembly	MRC100XLFRNCB	flexible doubleshielded 1000mm long	SMA SP auf SMA SP	25 €
16054	3 GHz Cable Assembly	MRC240AFB	flexible doubleshielded 1000mm long	SMA SP auf SMA SP	27 €

17299	6 GHz Cable Assembly	SRF141	Conformable 0.141 50mm long	SMA SP auf SMA SP	32 €
17300	6 GHz Cable Assembly	SRF141	Conformable 0.141 100mm long	SMA SP auf SMA SP	33 €
17302	6 GHz Cable Assembly	SRF141	Conformable 0.141 200mm long	SMA SP auf SMA SP	34 €
16619	6 GHz Cable Assembly	RG400 OPT	flexible doubleshielded 1m long	SMA SP auf SMA SP	35 €
17978	6 GHz Cable Assembly	RG142 OPT	flexible doubleshielded 2m long	N SP auf SMA SP	39 €

17342	8,5 GHz Cable Assembly	SS402	flexible doubleshielded 500mm long	N SP auf N SP	57 €
17423	8,5 GHz Cable Assembly	SS405	flexible doubleshielded 500mm long	SMA SP auf SMA SP	57 €
17379	8,5 GHz Cable Assembly	SS402	flexible doubleshielded 1000mm long	SMA SP auf SMA SP	62 €
19081	8,5 GHz Cable Assembly	SS402	flexible doubleshielded 1000mm long	N SP auf N SP	62 €
19833	8,5 GHz Cable Assembly	SS402	flexible doubleshielded 250mm long	N SP auf SMA SJ	57 €

16699	12.5 GHz Cable Assembly	SB142	flexible doubleshielded 1000mm long	N SP auf N SP	95 €
19837	12.5 GHz Cable Assembly	SB142	flexible doubleshielded 2200mm long	N SP auf SMA SP	125 €
15603	12.5 GHz Cable Assembly	LL142	flexible doubleshielded 1000mm long	SMA auf SMA	125 €
15604	12.5 GHz Cable Assembly	LL142	flexible doubleshielded 1500mm long	SMA auf SMA	137.50 €
15605	12.5 GHz Cable Assembly	LL142	flexible doubleshielded 2500mm long	SMA auf SMA	162.50 €

Typical Attenuation in comparison for eBudget Cables:





Accessories

Additional the elspec group also distributes a variety of RF-connectors and torque wrenches.

Article-No.	Product	Description	Price per piece
14992	Torque Wrench SMA	SMA SW: 8mm, 0.9 Nm	100.00 €
16312	Torque Wrench N	N SW: 19 mm, 1.0 Nm	135.00 €
19680	Adapter	N Plug (male) / N Jack (female)	28.00 €
16294	Adapter	N Plug (male) / SMA Jack (female)	18.25 €
16297	Adapter	N Plug (male) / BNC Jack (female)	32.50 €
16290	Adapter	N Jack (female) / SMA Jack (female)	30.85 €
19452	Adapter	N Plug (male) / SMA Plug (male)	31.45 €
17075	Adapter	BNC Jack (female) / SMA Plug (male)	12.75 €
14666	Adapter	BNC Plug (male) / SMA Jack (female)	43.00 €



Connect coaxial cable adapter correctly with torque wrench.

Coaxial measurement cables must usually provide precise measurement results on the Network Analyzer. A torque wrench is essential to ensure that the lifespan of the cable is as long as possible, and that the measurements are accurate. It prevents over-twisting and thus prevents damage to the cable.



**WATCH NOW
ON YOUTUBE**

How can I select the most suitable measurement cable for my application, and how important is a well thought-out kink-protection?

Find a detailed explanation and manual on this topic in our Whitepaper **No. 5 Cable Selection**.



**DOWNLOAD
HERE**





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