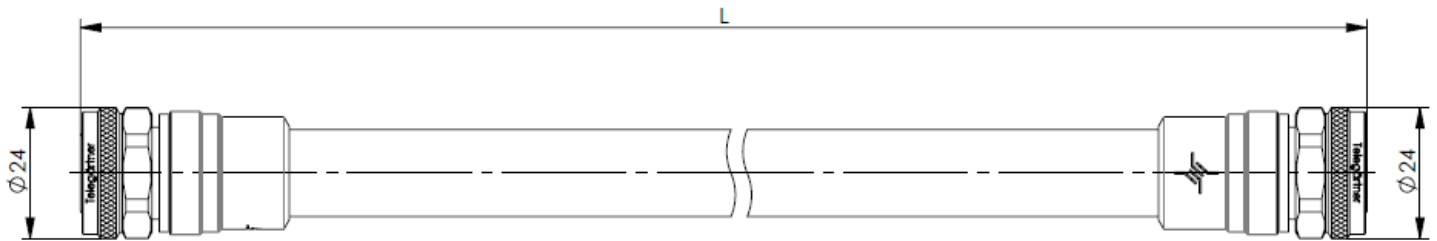


# 1/2" Low Loss Jumper Cables

## 4.3-10 m Screw to 4.3-10 m Screw Connectors, IP68



General		Mechanical & Climatic Characteristics	
Cable Type	1/2" Low Loss Annularly Corrugated	Sealing class	IP68 unmated, barrier sealed
Outer Conductor	Copper	Connector Gasket	Silicone
Centre Conductor	Copper-Clad Aluminium	Connector Torque	5 Nm
Dielectric	Foam Polyethylene	Min. Bending Radius single	70 mm
Jacket	Black Polyethylene, Halogen Free, UV resistant	Min. Bending Radius repeated	120 mm
Connector Types	4.3-10 male screw to 4.3-10 male screw	Temperature Range (install.)	-40°C to +60°C
Outer Contact	Brass, Silver Plated	Temperature Range (op.)	-55°C to +85°C
Centre Contact	Brass, Silver Plated	Relative Humidity	0-100%
Coupling Nut	Brass Hex Nut, Tealloy Plated	Water Tightness	IP68 tested under 25m head of water

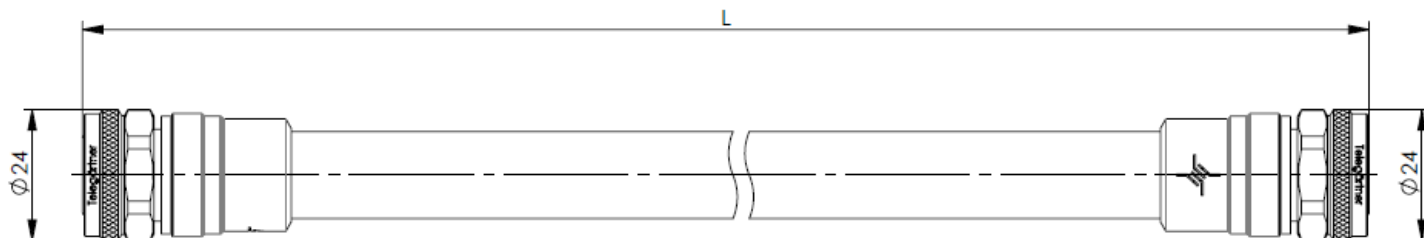
Electrical Performance						
	450 MHz	900 MHz	1800 MHz	2100 MHz	2700 MHz	3500 MHz
Typical Return Loss	-38 dB	-38 dB	-34 dB	-34 dB	-32 dB	-32 dB
Typical Intermodulation (3rd Order)	-165 dBc	-165 dBc	-165 dBc	-165 dBc	-165 dBc	-165 dBc
Attenuation (per 100 m) at 20°C (w/o connector)	4.69 dB	6.79 dB	9.85 dB	10.78 dB	12.32 dB	14.21 dB

Typical insertion loss per connector <0.01 dB (0-3 GHz).

Mean Power Rating	≤ 500 W @ 2000 MHz
Impedance	50 Ohm (+/-1)
Velocity of propagation	88%

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Length*	Type	Old Order Number	New Order Number
0.5 m	JMPS/0577D	L00010Q0158	100009844
1 m	JMPS/1077D	L00010Q0159	100009845
1.5 m	JMPS/1577D		100036545
2 m	JMPS/2077D	L00011Q0164	100010077
2.5 m	JMPS/2577D		100036546
3 m	JMPS/3077D	L00012Q0162	100010231
3.5 m	JMPS/351077D		100036547
4 m	JMPS/4077D	L00013Q0278	100036548
4.5 m	JMPS/4577D		100036549
5 m	JMPS/5077D	L00013Q0247	100010396
6 m	JMPS/6077D	L00014Q0282	100010505
7 m	JMPS/7077D	L00014Q0286	100036550
8 m	JMPS/8077D	L00014Q0287	100036551
9 m	JMPS/9077D	L00015Q0191	100010569
10 m	JMPS/10077D	L00015Q0197	100036552

\*Standard lengths. Other lengths available on request.

Technical changes reserved.