



Jumper Cables

The jumper cables are fitted at both ends with our 7-16 connectors and/or N connectors by our partner company **Quadrant Connections Ltd**. The cable is a highly flexible 1/2" corrugated type. The very low intermodulation products of the jumper cables

are tested on special intermodulation test systems. They are tested up to a frequency of 2.7 GHz. The jumper cables are waterproof and sealed to allow external use. Intermodulation test results for the jumper cables are also available. (Order no. U00100A0000)

Protection Classification IP 68

The 7-16 connectors also incorporate an additional seal between centre contact and connector housing in the mating-face (barrier-seal). A 360° inductive solder of the outer conductor – apart from contributing to excellent PIM and Return Loss Characteristics – also provides additional protection against ingress of moisture in the event of the cable sheath being damaged.

- [Very low intermodulation products \(IMP3\)](#)
- [Hexagonal coupling nuts for correct torque and high-contact pressure](#)
- [Waterproof for external use](#)
- [Excellent return loss and attenuation](#)
- [Fully soldered inner- and outer conductor](#)

3/8" Jumper cables and other cable size available on request

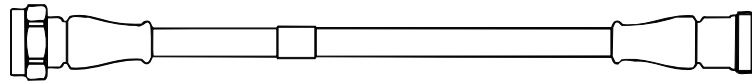
Technical Data (7-16 types)

Mechanical Characteristics	
Materials	
Spring contact	CuBe2
Other metal parts	CuZn39Pb3
Insulator	PTFE
Gaskets	Silicon
Finish	
Spring contact	Cu2Ag5
Outer surface	Cu2Ag5
Coupling torque	25-35 Nm
Cables	
<ul style="list-style-type: none"> • 1/2" highly flexible spiral corrugated cable • Colour: black (standard) or grey RAL7047 (option) • Bend radius min. 30 mm 	
Thermal and Climatic Characteristics	
Temperature range	-40 °C – +60 °C
Relative humidity	10 % – 100 %
Corrosion and UV resistant	
Protection to DIN 40050/IEC 529	IP 68

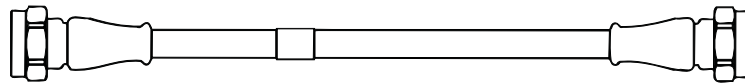
Electrical Characteristics	
Return Loss (VSWR)	
up to 1000 MHz	-38 dB (1.02:1) typical -30 dB (1.06:1) min.
up to 2200 MHz	-32 dB (1.05:1) typical -28 dB (1.08:1) min.
Attenuation (dB)	
up to 1000 MHz	0,11 dB/m
up to 2200 MHz	0.17 dB/m (+0.1 dB for connectors)
Power handling	
up to 1000 MHz	500 W min.
up to 2200 MHz	300 W min.
Impedance	50 Ω (±2 Ω)
Contact potential	no dissimilar metal surfaces
Voltage rating	1100 V
Velocity of propagation	78.5 % min.
Intermodulation / Intermodulation products 3rd Order (typical) 2 unmodulated test signals each at 43dBm (20 W)	
to 1000 MHz	-165 dBc (-122 dBm) typ. -157 dBc (-114 dBm) min.
to 2200 MHz	-165 dBc (-122 dBm) typ. -157 dBc (-114 dBm) min.

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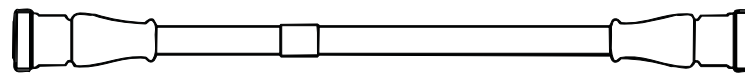
1/2" highly flexible corrugated cable



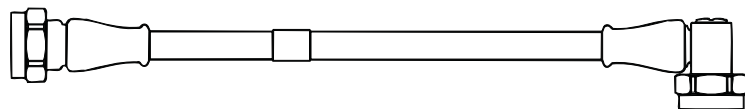
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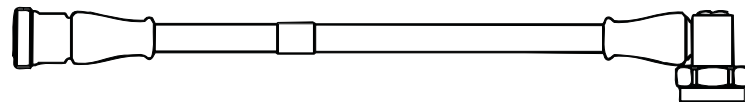
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Cable Type	Length	Order no.	Weight	Fig.
Plug - Jack (7-16)	0.5 m	L00010D0550	425 g	1
	1.0 m	L00010D0551	550 g	1
	1.5 m	L00011D0182	675 g	1
	2.0 m	L00011D0183	800 g	1
	2.5 m	L00012D0061	925 g	1
Plug - Plug (7-16)	3.0 m	L00012D0062	1050 g	1
	4.0 m	L00013D0056	1300 g	1
	5.0 m	L00013D0057	1550 g	1
	0.5 m	L00010D0552	425 g	2
	1.0 m	L00010D0553	550 g	2
Jack - Jack (7-16)	1.5 m	L00011D0184	675 g	2
	2.0 m	L00011D0185	800 g	2
	2.5 m	L00012D0063	925 g	2
	3.0 m	L00012D0064	1050 g	2
	4.0 m	L00013D0058	1300 g	2
Plug - Angle plug (7-16)	5.0 m	L00013D0059	1550 g	2
	0.5 m	L00010D0559	425 g	3
	1.0 m	L00010D0600	550 g	3
	1.5 m	L00011D0198	675 g	3
	2.0 m	L00011D0199	800 g	3

Cable Type	Length	Order no.	Weight	Fig.
Jack - Jack (7-16)	2.5 m	L00012D0073	925 g	3
	3.0 m	L00012D0074	1050 g	3
	4.0 m	L00013D0073	1300 g	3
	5.0 m	L00013D0074	1550 g	3
	0.5 m	L00010D0565	425 g	4
Plug - Angle plug (7-16)	1.0 m	L00010D0566	550 g	4
	1.5 m	L00011D0186	675 g	4
	2.0 m	L00011D0187	800 g	4
	2.5 m	L00012D0065	925 g	4
	3.0 m	L00012D0066	1050 g	4
Jack - Angle plug (7-16)	4.0 m	L00013D0061	1300 g	4
	5.0 m	L00013D0062	1550 g	4
	0.5 m	L00010D0567	425 g	5
	1.0 m	L00010D0568	550 g	5
	1.5 m	L00011D0188	675 g	5
Plug - Angle plug (7-16)	2.0 m	L00011D0189	800 g	5
	2.5 m	L00012D0067	925 g	5
	3.0 m	L00012D0068	1050 g	5
	4.0 m	L00013D0063	1300 g	5
	5.0 m	L00013D0064	1550 g	5