



Description: Jumper, Halogen free, Full Copper cable, F- male AquaTight® & SignalTight® to F- Female, length 0.50 m (20").

DATA SHEET

Electrical

	Specification		Standard	
Frequency Range	5 MHz – 3.000 MHz			
Impedance	75 Ω nominal			
	Better Than	Measured – Worst case of 5 measurements		
Return Loss	26 dB 25 dB 25 dB 21 dB 19 dB 14 dB	≥ 29.7 dB ≥ 28.8 dB ≥ 28.1 dB ≥ 24.2 dB ≥ 22.0 dB ≥ 17.9 dB 28.0 dB	5 MHz – 500 MHz 500 MHz – 860 MHz 860 MHz – 1.000 MHz 1.000 MHz – 1.750 MHz 1.750 MHz – 2.150 MHz 2.150 MHz – 3.000 MHz 1.218 MHz	IEC 61169-1
Insertion Loss	0.12 dB 0.15 dB 0.16 dB 0.22 dB 0.25 dB 0.31 dB	≤ 0.09 dB ≤ 0.12 dB ≤ 0.13 dB ≤ 0.19 dB ≤ 0.22 dB ≤ 0.28 dB 0.15 dB	5 MHz – 500 MHz 500 MHz – 860 MHz 860 MHz – 1.000 MHz 1.000 MHz – 1.750 MHz 1.750 MHz – 2.150 MHz 2.150 MHz – 3.000 MHz 1.218 MHz	
Shielding Effectiveness (Measured with CoMet)	Transfer Impedance @ 5 – 30 MHz ≤ 0.9 mΩ/m Screening Attenuation @ 30 – 1.000 MHz ≥ 112.2 dB Screening Attenuation @ 1.000 – 2.000 MHz ≥ 110.3 dB Screening Attenuation @ 2.000 – 3.000 MHz ≥ 103.9 dB Class: A+		IEC 62153-4-3 IEC 62153-4-4 IEC 62153-4-4 IEC 62153-4-4 EN 50117	
Common Path Distortion	≤ -110 dBc		ANSI/SCTE 109 2005	
Amp. Rating	≤ 4 A.			
Dielectric Strength	≥ 2 kV.		IEC 61169-1	
Insulation Resistance	≥ 29.99 GΩ @ 500 V.		IEC 61169-1	

Environmental

	Specification	Standard
Temperature range Operating	-40°C to +60°C	
Sealing Test	IPX8 – 1 meter / 24 hours	IEC 60529
Corrosion Protection		ASTM B 117-94

Mechanical

	Specification	Standard
Interface	F	IEC 61169-24
Cable Retention	≥ 21 kgf	ANSI/SCTE 99

Material and Finish

	Specification	Standard
Housing	NiSn (NITIN) plated Brass	ASTM B605
O'ring	EPDM	
Weather Seal	Silicone Rubber	

Cable - PPC Perfect Flex (P6CBS90QZRM)

	Construction	
Cable type	Standard Shield RG6 series	
Jacket	Black, Reach Compliant & Halogen free PVC	
Braid	90% - Copper wires	
1st Shield	Copper foil bonded to dielectric	
Dielectric	Foamed PE Dielectric	
Inner conductor	Solid copper	

In order to continue to supply the best products, PPC reserves the right to change the products and specifications at any time without prior notice.

Measurement setup:

Nm-Ff –JPLUS6HFSCFFEXWSNT20 – Fm-Fm, Nm-Ff.

All results are worst case result of measurement of 5 jumpers.

All tests are performed using instruments calibrated in accordance to ISO 9001 certification.

Return Loss, Insertion Loss and Shielding are measured with Rohde & Schwarz ZNB8 Network Analyzer, according to IEC standards.

CPD (Common Path Distortion) are measured with Rohde & Schwarz FPC1000 Spectrum Analyzer, according to SCTE standard.

In case of over current (≥ 4 A.) there is a risk for high temperature inside the connector, which can cause damage of the cable.

Further test reports, technical specifications and installation instructions can be obtained on request.

