



Description: Jumper, Full Copper cable, SignalTight® F male, length 0.70 m (28").

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	27 dB	≥ 30.7 dB	5 MHz – 500 MHz	IEC 61169-1
	25 dB	≥ 28.3 dB	500 MHz – 860 MHz	
	25 dB	≥ 28.4 dB	860 MHz – 1.000 MHz	
	20 dB	≥ 23.8 dB	1.000 MHz – 1.750 MHz	
	19 dB	≥ 22.1 dB	1.750 MHz – 2.150 MHz	
	17 dB	≥ 20.1 dB	2.150 MHz – 3.000 MHz	
	22 dB	≥ 25.7 dB	1.218 MHz	
Insertion Loss	0.13 dB	≤ 0.10 dB	5 MHz – 500 MHz	
	0.17 dB	≤ 0.14 dB	500 MHz – 860 MHz	
	0.18 dB	≤ 0.15 dB	860 MHz – 1.000 MHz	
	0.24 dB	≤ 0.21 dB	1.000 MHz – 1.750 MHz	
	0.27 dB	≤ 0.24 dB	1.750 MHz – 2.150 MHz	
	0.34 dB	≤ 0.31 dB	2.150 MHz – 3.000 MHz	
Shielding Effectiveness (Measured with CoMeT)	Transfer Impedance @ 5 – 30 MHz		≤ 1.32 mΩ/m	IEC 62153-4-3
	Screening Attenuation @ 30 – 1.000 MHz		≥ 105.8 dB	IEC 62153-4-4
	Screening Attenuation @ 1.000 – 2.000 MHz		≥ 112.9 dB	IEC 62153-4-4
	Screening Attenuation @ 2.000 – 3.000 MHz		≥ 102.2 dB	IEC 62153-4-4
	Class: A+			EN 50117
Common Path Distortion	≤ -110 dBc			ANSI/SCTE 109 2005
Amp. Rating	≤ 4 A @ 60 V.			
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 male	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	

Cable - PPC Perfect Flex (P6CBS90QVRM)

	Construction	
Cable type	Standard Shield RG6 series	
Jacket	Flame Retardant PVC – Black – Reach Compliant	
Braid	90% - Copper wires	
1 st 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.