



Description: Hardline Splicer, B040 – B040.
(Measured with DRAKA COAX 6 Bamboe Cable)

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 Gated of B040-SPL	39 dB	≥ 42.6 dB	5 MHz – 500 MHz	IEC 61169-1
	39 dB	≥ 42.0 dB	500 MHz – 860 MHz	
	38 dB	≥ 41.8 dB	860 MHz – 1.000 MHz	
	34 dB	≥ 37.7 dB	1.000 MHz – 1.750 MHz	
	29 dB	≥ 32.6 dB	1.750 MHz – 2.150 MHz	
	21 dB	≥ 24.9 dB	2.150 MHz – 3.000 MHz	
	38 dB	≥ 41.6 dB	1.218 MHz	
Insertion Loss	0.13 dB	≤ 0.10 dB	5 MHz – 3.000 MHz	
Shielding Effectiveness of assembly (Measured with CoMeT)	Transfer Impedance @ 5 – 30 MHz		≤ 1.75 m Ω /m	IEC 62153-4-3
	Screening Attenuation @ 30 – 1.000 MHz		≥ 121.3 dB	IEC 62153-4-4
	Screening Attenuation @ 1.000 – 2.000 MHz		≥ 125.9 dB	IEC 62153-4-4
	Screening Attenuation @ 2.000 – 3.000 MHz		≥ 128.0 dB	IEC 62153-4-4
Screening Class of B040-SPL	Class A+			EN 50117
Common Path Distortion	≤ -110 dBc			ANSI/SCTE 109 2005
Inner Conductor Resistance	≤ 1.0 m Ω @ 1 A DC.			IEC 61169-1
Amp. Rating	≤ 15 A @ 60 V.			
Dielectric Strength	≥ 3 kV.			IEC 61169-1
Insulation Resistance	≥ 29.99 G Ω @ 500 V.			IEC 61169-1

Environmental

	Specification	Standard
Temperature range Operating	-40°C to +65°C	
Temperature range Installation	-5°C to +50°C	
Sealing Test	IPX8 – 1 meter / 24 hours	IEC 60529
Red Dye		ANSI/SCTE 60
Corrosion Protection		ASTM B 117-94

Mechanical

	Specification	Standard
Cable Retention	≥ 80 kgf	ANSI/SCTE 99

Material and Finish

	Specification	Standard
Housing	NiSn (NITIN) plated Brass	ASTM B605
Inner conductor	NiSn (NITIN) plated Brass	ASTM B605
Compression ring	NiSn (NITIN) plated Brass	ASTM B605
O'ring	EPDM	
Insulator	Polycarbonate & Polyethylene	

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