



Description: Hardline Splicer, D015
(Measured with 2* 0.4 m Bedea Telass 2.2/8.8 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 of assembly	-27 dB	-30,8 dB	5 MHz – 500 MHz	IEC 61169-1
	-22 dB	-25,8 dB	500 MHz – 860 MHz	
	-19 dB	-22,4 dB	860 MHz – 1.000 MHz	
	-14 dB	-17,9 dB	1.000 MHz – 1.750 MHz	
	-11 dB	-14,9 dB	1.750 MHz – 2.150 MHz	
	-10 dB	-13,3 dB	2.150 MHz – 3.000 MHz	
	N/A	-20,5 dB	1218 MHz	
Return Loss Gated of D015-SPL	-37 dB	-40,9 dB	5 MHz – 500 MHz	IEC 61169-1
	-29 dB	-32,2 dB	500 MHz – 860 MHz	
	-27 dB	-30,3 dB	860 MHz – 1.000 MHz	
	-20 dB	-23,5 dB	1.000 MHz – 1.750 MHz	
	-18 dB	-21,3 dB	1.750 MHz – 2.150 MHz	
	-14 dB	-17,1 dB	2.150 MHz – 3.000 MHz	
	N/A	-28,4 dB	1218 MHz	
Shielding Effectiveness of assembly (Measured with CoMeT)	Transfer Impedance @ 5 – 30 MHz		≤ 0,09 mΩ/m	IEC 62153-4-3
	Screening Attenuation @ 30 – 1.000 MHz		≥ -124,2 dB	IEC 62153-4-4
	Screening Attenuation @ 1.000 – 2.000 MHz		≥ -123,5 dB	IEC 62153-4-4
	Screening Attenuation @ 2.000 – 3.000 MHz		≥ -122,1 dB	IEC 62153-4-4
Common Path Distortion	Class: A++		EN 50117	
	≤ -110 dBc			ANSI/SCTE 109 2005
Amp. Rating	≤ 15 A.			
Dielectric Strength	≥ 3 KV.			IEC 61169-1
Insulation Resistance	≥ 29.99 GΩ @ 500 V.			IEC 61169-1

Environmental

	Specification	Standard
Temperature range Operating	-40°C to +85°C	
Temperature range Installation	-5°C to +50°C	
Sealing Test	IPX8 – 1 meter / 24 hours	IEC 60529
Corrosion Protection		ASTM B 117-94

Mechanical

	Specification	Standard
Cable Retention	≥ 100 kgf	ANSI/SCTE 99

Material and Finish

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

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

TA-NM-FF - D015-FM – Cable - **D015-SPL** – Cable – D015-FM – TA-NM-FM

All measurements are done with Bedea Telass 2.2/8.8 cable, length 2*0,4 meter.

All results are the worst case result of measurement of 5 assemblies.

All tests are performed using instruments calibrated in accordance to our 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 (≥ 15 A.) there is a risk for high temperature inside the connector, which can cause damage of the insulator, and / or the cable.

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

