



Description: Hardline splicer, G052.
(Measured with CNA-540RB1 cable.)

DATA SHEET

Electrical

	Specification		Standard
Frequency Range	5 MHz – 3.000 MHz		
Impedance	75 Ω nominal		
	Better Than	Measured – Worst case of 2 measurements	
Return Loss Gated of G052-SPL	-26 dB -25 dB -25 dB -25 dB -25 dB -25 dB	≥ -29,6 dB ≥ -28,8 dB ≥ -30,2 dB ≥ -32,3 dB ≥ -32,8 dB ≥ -28,8 dB 33,8 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 1218 MHz IEC 61169-1
Return Loss Assembly	-19 dB -16 dB -16 dB -16 dB -14 dB - 9 dB	≥ -22,5 dB ≥ -19,1 dB ≥ -19,3 dB ≥ -19,8 dB ≥ -17,5 dB ≥ -12,9 dB -27,9 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	0,13 dB	0,1 dB	
Shielding Effectiveness Assembly (Measured with CoMeT)	Transfer Impedance @ 5 – 30 MHz ≤ 0,09 mΩ/m. Screening Attenuation @ 30 – 1.000 MHz ≥ - 123,6 dB Screening Attenuation @ 1.000 – 2.000 MHz ≥ - 106,6 dB Screening Attenuation @ 2.000 – 3.000 MHz ≥ - 108,9 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	≤ 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 +60°C	
Corrosion Protection		ASTM B 117-94
Sealing Test	IPX8 – 1 meter/ 24 hours	IEC 60529

Mechanical

	Specification	Standard
Cable Retention	≥ 180 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 rings	EPDM	
Insulators	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-58F – G052-58M – cable - **G052-SPL** – cable - G052-58M - TA-NM-58F

All measurements are done with CNA-540RB1 cable, 2*length 0,5 m.

All results are worst case 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 ZNB-8 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 of high temperature inside connector, which could cause damage to the cable.

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

