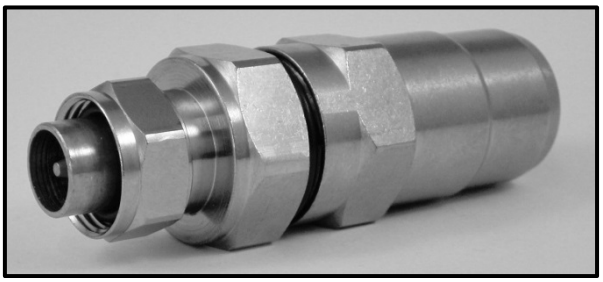
Item Number:
D015-IECM

Praesto, September 13, 2016 – Rev. 01



Description: Hardline Connector, D015 – IEC male.
(Measured with Bedea Telass LR 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 Gated of D015-IECM	30 dB	≥ 33.2 dB	5 MHz – 500 MHz	IEC 61169-1
	26 dB	≥ 29.5 dB	500 MHz – 860 MHz	
	25 dB	≥ 28.3 dB	860 MHz – 1.000 MHz	
	19 dB	≥ 22.8 dB	1.000 MHz – 1.750 MHz	
	17 dB	≥ 20.7 dB	1.750 MHz – 2.150 MHz	
	14 dB	≥ 17.7 dB	2.150 MHz – 3.000 MHz	
	23 dB	≥ 26.4 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		≤ 0.18 mΩ/m	IEC 62153-4-3
	Screening Attenuation @ 30 – 1.000 MHz		≥ 123.7 dB	IEC 62153-4-4
	Screening Attenuation @ 1.000 – 2.000 MHz		≥ 126.0 dB	IEC 62153-4-4
	Screening Attenuation @ 2.000 – 3.000 MHz		≥ 124.4 dB	IEC 62153-4-4
	Class: A++			EN 50117
Common Path Distortion	≤ -110 dBc			ANSI/SCTE 109 2005
Inner Conductor Resistance	≤ 1.5 mΩ @ 1 A DC.			IEC 61169-1
Amp. Rating	≤ 8 A @ 60 V.			
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 +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
Interface	IEC male	IEC 61169-2
Cable Retention	≥ 125 kgf	ANSI/SCTE 99

Material and Finish

	Specification	Standard
Housing	NiSn (NITIN) plated Brass	ASTM B605
Pin	NiSn (NITIN) plated Brass	ASTM B605
O'ring	EPDM	
Insulator	Polycarbonate/ & Polyethylene	

PPC Denmark
Branch of PPC Broadband Inc., a Belden Brand
Vaerkstedsvej 14
4720 Praesto
DENMARK

Tel: +45 5599 1722
Fax: +45 5599 2722
Email: ppceurope@ppc-online.com
URL: www.ppc-online.com – www.ppc.dk

Item Number:
D015-IECM

Praesto, September 13, 2016 – Rev. 01

Measurement setup:

Nm-58f, 58m-IECf – **D015-IECM** – 65 cm cable – **D015-IECM**, 58m-IECf, Nm-58f.

All measurements are done with Bedea Telass LR 2.2/8.8 cable, length 0.65 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 hp Spectrum Analyzer hp 8591E, according to SCTE standard.

In case of over current (≥ 8 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.

PPC Denmark
Branch of PPC Broadband Inc., a Belden Brand
Vaerkstedsvej 14
4720 Praesto
DENMARK

Tel: +45 5599 1722
Fax: +45 5599 2722
Email: ppceurope@ppc-online.com
URL: www.ppc-online.com – www.ppc.dk