Item Number:
PP320QR

Praesto, January 19, 2017 – Rev. 00

Description: Hardline Connector, PP320QR.
(Measured with Commscope QR 320-JC 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 PP320QR	33 dB	≥ 36.5 dB	5 MHz – 500 MHz	IEC 61169-1
	33 dB	≥ 38.0 dB	500 MHz – 860 MHz	
	32 dB	≥ 35.9 dB	860 MHz – 1.000 MHz	
	27 dB	≥ 30.1 dB	1.000 MHz – 1.750 MHz	
	25 dB	≥ 28.9 dB	1.750 MHz – 2.150 MHz	
	21 dB	≥ 24.9 dB	2.150 MHz – 3.000 MHz	
	30 dB	≥ 33.4 dB	1.218 MHz	
Insertion Loss	0.13 dB	≤ 0.10 dB	5 MHz – 3.000 MHz	
Shielding Effectiveness of Asembly (Measured with CoMeT)	Transfer Impedance @ 5 – 30 MHz ≤ 0.10 mΩ/m Screening Attenuation @ 30 – 1.000 MHz ≥ 121.8 dB Screening Attenuation @ 1.000 – 2.000 MHz ≥ 125.7 dB Screening Attenuation @ 2.000 – 3.000 MHz ≥ 118.1 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
Inner Conductor Resistance	≤ 1.3 mΩ @ 1 A DC.			IEC 61169-1
Amp. Rating	≤ 15 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	5/8 male	ANSI/SCTE 92
Cable Retention	≥ 60 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/Polyethylene	

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.

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:
PP320QR

Praesto, January 19, 2017 – Rev. 00

Measurement setup:

Nm-58f, **PP320QR** – Cable – **PP320QR**, Nm-58f.

All measurements are done with Commscope QR320-JC cable, length 1.0 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 (≥ 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.

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