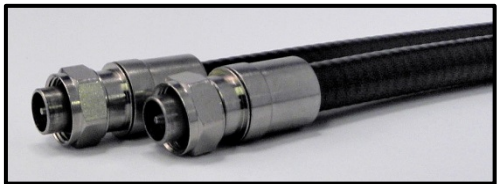
Item Number:
JPSIECMIECM30

Praesto, May 24, 2016 – Rev. 00



Description: Perfect Shield Jumper, with IEC male, length 0.75 m (30”)

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	26 dB 19 dB 18 dB 14 dB 14 dB 14 dB	≥ 29.3 dB ≥ 22.4 dB ≥ 21.9 dB ≥ 17.1 dB ≥ 17.2 dB ≥ 17.1 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	IEC 61169-1
Insertion Loss	0.13 dB 0.17 dB 0.19 dB 0.25 dB 0.27 dB 0.31 dB	≤ 0.10 dB ≤ 0.14 dB ≤ 0.16 dB ≤ 0.22 dB ≤ 0.24 dB ≤ 0.28 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	
Shielding Effectiveness (Measured with CoMeT)	Transfer Impedance @ 5 – 30 MHz Screening Attenuation @ 30 – 1.000 MHz Screening Attenuation @ 1.000 – 2.000 MHz Screening Attenuation @ 2.000 – 3.000 MHz Class: A++		≤ 0.15 mΩ/m ≥ 124.2 dB ≥ 126.9 dB ≥ 128.9 dB	IEC 62153-4-3 IEC 62153-4-4 IEC 62153-4-4 IEC 62153-4-4 EN 50117
Inner Conductor Resistance	≤ 8 mΩ @ 1 A			IEC 61169-1
Amp Rating	≤ 8 A @ 60 V.			
Dielectric Strength	≥ 2.3 kV			IEC 61169-1
Insulation Resistance	≥ 29.99 GΩ @ 500V DC			IEC 61169-1
CPD	≤ -110 dBc			ANSI/SCTE 109 2005

Environmental

	Specification	Standard
Temperature range Operating	-30°C to +60°C	
Temperature range Installation	-25°C to +50°C	
Sealing Test	IPX8 – 1 meter / 24 hours	IEC 60529
Corrosion Protection		ASTM B 117-94
Red Dye		ANSI/SCTE 60

Mechanical

	Specification	Standard
Interface	IEC male	IEC 61169-2
Pull Strength	≥ 50 kgf (Inner conductor pull out)	ANSI/SCTE 99

Connector material and finish

	Specification	Standard
Housing	NiSn (NITIN) plated Brass	ASTM B605
Inner conductor	NiSn (NITIN) plated Brass	ASTM B605
O´rings	EPDM, Nitrile	
Insulators	ULTEM 1000, Polycarbonate	

Cable *- Hansen RF 75 3/8” S*

	Construction	
Inner conductor	Bare copper wire	
Outer conductor	Helically corrugated copper tube	
Insulation	Physically foamed PE	
Jacket	Black LLDPE	
Bending radius	25mm @ single, 50mm @ repeated	

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Measurement setup:

Nm-58f, 58m-IECf – **JPSIECMIECM30** – 58m-IECf, Nm-58f.

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

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.

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