NETTRIXX PRO multimedia

F-CPOUPLER PE20

Art.nr. 200-007

Technical Specifications

Frequency Range		0.3 - 3000 MHz
Impedance	(Nom.)	75 Ohm
Amp. Rating	(measured)	5.0 A @10°C increase
	(calculated)	7.0 A @20°C increase
Transfer Impedance (CoMeT)		Class A+
		<0.9 mΩ/m @ 5-30MHz
		<0.06 mΩ/item @ 5-30MHz
Screening Attenuation(CoMeT)		Class A++
		>140 dB @ 30-1000MHz
		>140 dB @ 1000-2000MHz
		>130 dB @ 2000-3000MHz

Return Loss (IEC 61169-1)	**Better than**	**Typical**
0.3 - 500 MHz	-42 dB	-44.9 dB
500 - 860 MHz	-38 dB	-40.8 dB
860 - 1000 MHz	-36 dB	-39.0 dB
1000 - 1750 MHz	-30 dB	-33.1 dB
1750 - 2150 MHz	-29 dB	-31.7 dB
2150 - 3000 MHz	-25 dB	-28.4 dB

Insertion Loss Max.	**Better than**	**Typical**
0.3 - 500 MHz	-0.06 dB	-0.01 dB
500 - 860 MHz	-0.06 dB	-0.01 dB
860 - 1000 MHz	-0.06 dB	-0.01 dB
1000 - 1750 MHz	-0.06 dB	-0.01 dB
1750 - 2150 MHz	-0.06 dB	-0.01 dB
2150 - 3000 MHz	-0.06 dB	-0.01 dB

Temperature	
Installing	-5° to +50° C
Operating	-40° to +70° C
Storing	-40° to +70° C
Sealing Test	
(IEC IP-code)	IP X8 30 meter / 8 hours
O-rings	EPDM
Base Material	
Body Parts	Brass CuZn39Pb3
Inner Conductor	Brass CuZn39Pb3
Plating	
Body Parts	Nitin-6
Inner Conductor	Nitin-6
Insulators	COC (Topas) / PP with Glass

Intermodulation	**IM3**
3rd Order (@2x+27dBm)	-162 dBc
Inner Conductor Resistance	
(@ 1 A DC)	<1.2 mΩ
Insulation Resistance	
(@ 500 VDC)	>200 GΩ
Dielectric Strength	
DC Test Voltage	>2.0 KV
Max. Tensile Strength	
Overall	>1962 N
	>300 N
Torsional Strength	
(Connector / Cable)	>7.0 Nm
Test performed by	Søren B. Sørensen
Date of release	March 18, 2014

Remarks * All tests performed using instruments calibrated in accordance to our ISO 9001 certification.
Further technical specifications and installation instructions can be obtained on request.

Connecting with quality!