

MXPM70: Multicoax Cable Assemblies

Rev. C

Description

Available configurations

MXPM breakout to PC 1.85 male
 MXPM breakout to PC 1.85 female ergo
 MXPM jumper
 MXPM loop back
 Customised solutions (configuration and length) on request

Standard lengths

76 mm (3 in.), 152 mm (6 in.)

Channel arrays

1x8 ganged
 2x8 ganged

Interface standards

MXPM: HUBER+SUHNER STD (patent US 8,360,807 and pat. pend.)
 PC 1.85: 1.85 mm IEC STD 61169-32

Notification

Exclusively delivered with thin, highly flexible and ultra-stable
 HUBER+SUHNER Multiflex 53-02 microwave cable.



Technical Data

Electrical Data

Impedance	50 Ω
Interface frequency max.	70 GHz
Return loss (typical)	DC – 15 GHz, 22 dB / 15 – 30 GHz, 18 dB / 30 – 50 GHz, 15 dB / 50 – 70 GHz, 10 dB (including special test adaptor)
Insertion loss (typical)	See Multiflex_53-02 cable
Phase match (standard)	+/- 1 ps

Mechanical Data

Number of matings	MXPM: 500 / PC 1.85: 500
Pitch centre-to-centre	2.54 mm (0.1 in.)

Environmental Data

Operating temperature	0 °C to +85 °C
2011/65/EU (RoHS)	Compliant
2006/1907/EC (REACH)	Compliant

Material Data

Piece Parts	Material	Surface Plating
Interface – MXPM		
Centre contact	Copper beryllium alloy	SUCOPRO gold plating
Outer contact	Copper beryllium alloy	SUCOPRO gold plating
Body	Aluminium	Black/blue anodised
Isolator	PEEK	N/A
Other parts	Neodym (magnets)	N/A
Interface – PC 1.85		
Centre contact	Copper beryllium alloy	SUCOPRO gold plating
Outer contact	Stainless steel	N/A
Body	Stainless steel	SUCOPRO gold plating
Isolator	LCP	N/A
Coupling nut (male)	Stainless steel	N/A
Other parts	Aluminium (ergo grip)	Black anodised

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, ISO/TS 16949 und IRIS

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