

HUBER+SUHNER® RF CABLE ASSEMBLIES DATASHEET

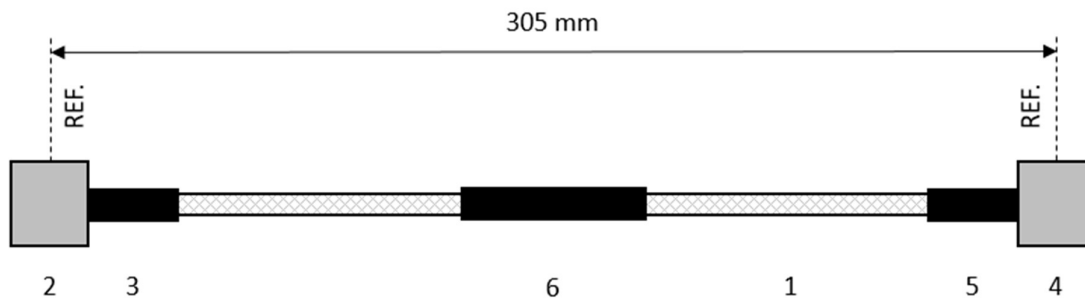
MF86/11MMPX/11PC185/305mm

Cable Type: Multiflex_86_HE

Description

RF Assemblies consisting of flexible Multiflex_86_HE, low attenuation microwave coaxial cable terminated with MMPX and PC 1.85 connectors for frequencies up to 67 GHz.

Mechanical Diagram



List of Components

Pos.	Component	Description	Marking
1	Cable	Multiflex_86_HE	n/a
2	Connector	MMPX straight male	n/a
3	Cable entry protection	Shrinking sleeve	n/a
4	Connector	PC 1.85 straight male	n/a
5	Cable entry protection	Shrinking sleeve	n/a
6	Labeling	n/a	n/a

Mechanical Data

Property	Description	Value
Cable length	Length is measured from connector reference plane (REF.) to reference plane (REF.)	305 mm
Bending radius	Static Dynamic	min. 6 mm min. 20 mm
Coupling nut torque	MMPX straight male connector PC 1.85 straight male connector	n/a 0.8 to 1.1 Nm

Electrical Data

Property	Value	
Impedance	50 Ohm	
Return loss	DC – 67 GHz	Tbd
Insertion loss (max. at 25 °C)	DC – 67 GHz	Tbd

Environmental Data

Property	Description	Value
Temperature range	Operating	-55 °C to +155 °C
RoHS	(2011/65/EU)	Compliant

Requirement of included components

Connectors

Property	Description	Standard / Material / Plating
Interface standard	MMPX PC 1.85	HUBER+SUHNER proprietary IEC 60169-23
Material	MMPX straight male	Centre contact: CuBe alloy Outer contact: Brass Insulator: PTFE Cable entry/body: Brass
	PC 1.85 straight male	Centre contact: CuBe alloy Outer contact: Stainless steel Insulator: LCP Cable entry/body: Stainless steel Coupling nut: Stainless steel
Plating	MMPX straight male	Centre contact: Gold plating Outer contact: Gold plating Cable entry/body: Gold plating
	PC 1.85 straight male	Centre contact: Gold plating Outer contact: Passivated Cable entry/body: Passivated Coupling nut: Passivated

Cable

Property	Description	Material / Value
Material	Jacket	FEP
Diameter	Jacket	2.65

Packaging

1 Assembly in a plastic bag
Protection on connector interfaces

Ordering Information

Item number	84102505
Customer specific description	n/a

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