

# HUBER+SUHNER® RF CABLE ASSEMBLIES DATASHEET

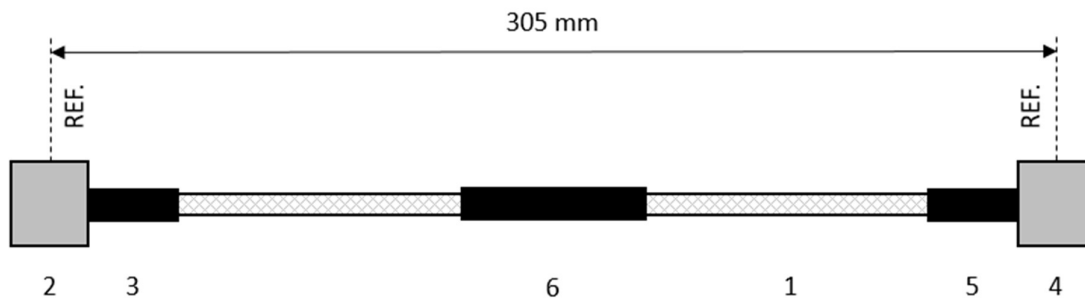
## MF86/11MMPX/21PC185/305mm

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 female	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 female connector	n/a n/a

## 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 female	Centre contact: CuBe alloy Outer contact: Stainless steel Insulator: LCP Cable entry/body: Stainless steel
Plating	MMPX straight male	Centre contact: Gold plating Outer contact: Gold plating Cable entry/body: Gold plating
	PC 1.85 straight female	Centre contact: Gold plating Outer contact: Passivated Cable entry/body: 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	85009502
Customer specific description	n/a

<p>WAIVER!</p> <p>It is exclusively in written agreements that we provide our customer with warrants and representations as to the technical contained specifications and/or the fitness for any particular purpose. The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.</p>		<p>RF Division www.hubersuhner.com</p>
<p>HUBER+SUHNER is certified according to ISO 9001 and ISO 14001</p>		
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