



Photo for reference

Part number

PR-DMB-12R01-HD-PMB-V5-xM	RF coaxial jumper with weatherproof kit, low loss
*xM indicate the length, unit meter. 10(m): length tolerance $\leq 2\%$	

Part list

Connector 1	7-16 DIN male straight
Connector 2	4.3-10 male straight
Cable	1/2" coaxial cable, low loss, PE jacket, foam PE insulation
Bend protection	Molding or clamp
Weatherproof 1	Rubber boot for 7-16 DIN male, straight
Weatherproof 2	Rubber boot for 4.3-10 male, straight
Label	Wrap sticker

Electrical data

Characteristics impedance	50 Ω
Frequency	DC to 3GHz
Propagation velocity	$\geq 87\%$
Connector insertion loss, typical	$\leq 0.05 \sqrt{F} \text{ GHz dB}$
Cable attenuation (by meter)	$\leq 0.064 @ 703-803\text{MHz}$
	$\leq 0.071 @ 890-960\text{MHz}$
	$\leq 0.1 @ 1710-1880\text{MHz}$
	$\leq 0.11 @ 1920-2170\text{MHz}$
	$\leq 0.124 @ 2170-2700\text{MHz}$
Assembly insertion loss	Cable attenuation+ connection loss ($0.1 \sqrt{F} \text{ GHz}$)
Return loss	$\geq 28\text{dB} @ 703-803\text{MHz}$
	$\geq 28\text{dB} @ 890-960\text{MHz}$
	$\geq 28\text{dB} @ 1710-1880\text{MHz}$
	$\geq 28\text{dB} @ 1920-2170\text{MHz}$
	$\geq 26\text{dB} @ 2170-2700\text{MHz}$
Intermodulation (3rd Order)	$\leq -155\text{dBc} @ 2x43\text{dBm} @ 700/900/1800/2100/2600\text{MHz}$

Mechanical data

Minimum bending radius	Single	≤70mm
	Repeated	≤130mm
Connector torque proof recommend		25 to 30 NM@7-16 DIN connector
		5 to 8 NM@4.3-10 connector

Environment

Working temperature	-50°C to +85°C
Halogen free	IEC 60754-2:2011
UV resistance	UL 1581
IP protection	IP68, IEC 60529
2011/65/Eu (RoHS)	Compliant

Part list specification

Cable		
Inner conductor	Copper clad aluminum, smooth solid tube, 4.8mm	
DC resistance	≤1.57Ω/km	
Outer conductor	Corrugated copper, SIN wave, 13.8mm	
DC resistance	≤2.7Ω/km	
Jacket	Black PE, 15.8mm±2% (rounded to 1 decimal point)	
Weight	≥0.2kg/m	
Maximum tensile strength	≥1050N	
Connector		
Inner contact	Bronze/brass contact with silver plated	
Insertion loss, typical	≤0.05*√F GHz dB	
Outer conductor	Brass, Cu-Sn-Zn Tri-alloy plated	
Weight	≥86g @ 7-16 DIN connector ≥27g @ 4.3-10 connector	
Weatherproof silicone boot		
Technical data		Photo for reference
Material	Silicone, black	
Suitable cable	13-17mm	
Suitable connector	7-16 DIN/4.3-10 male	
Weight	≥54g @ 7-16 DIN connector ≥34g @ 4.3-10 connector	
Temperature rating	-55°C to +90°C	

PR-DMB-12R01-HD-PMB-V5-XM

1/2" coaxial jumper with weatherproof kit, low loss

The PROSE logo is displayed in a bold, blue, sans-serif font.

Temperature storage	-55°C to +90°C
Weatherproof	IP68
UV resistance	IEC60068-2-5, 1000h
RoHS	Compliance

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