

PR-DMB-12R01-HD-PRMB-V3-XM

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

PROSE

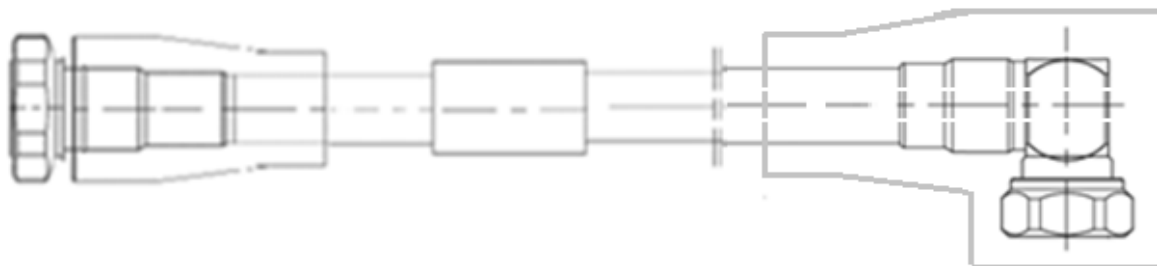


Photo for reference

Part number

PR-DMB-12R01-HD-PRMB-V3-xM	RF coaxial jumper with weatherproof kit, low loss
*xM indicate the length, unit meter	

Part list

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

Electrical data

Characteristics impedance	50Ω
Frequency	DC to 3GHz
Propagation velocity	≥87%
Connector insertion loss, typical	$\leq 0.05 \cdot \sqrt{F} \text{ GHz dB}$
Cable attenuation (by meter)	$\leq 0.064 @ 703\text{-}803\text{MHz}$
	$\leq 0.071 @ 890\text{-}960\text{MHz}$
	$\leq 0.1 @ 1710\text{-}1880\text{MHz}$
	$\leq 0.11 @ 1920\text{-}2170\text{MHz}$
	$\leq 0.124 @ 2170\text{-}2700\text{MHz}$
Assembly insertion loss	Cable attenuation+ connection loss ($0.1 \cdot \sqrt{F} \text{ GHz}$)
Return loss	≥28dB @703-803MHz
	≥28dB @890-960MHz
	≥28dB @1710-1880MHz
	≥28dB @1920-2170MHz

	≥26dB @2170-2700MHz
Intermodulation (3rd Order)	≤-155dBc @2x43dBm

Mechanical data

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

Environment

Working temperature	-50℃ to +85℃
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, 15.9mm±2%
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 @ DIN connector straight
	≥27g @ 4.3-10 connector angled
Weatherproof silicone boot	
Technical data	
Material	Silicone, black
Suitable cable	13-17mm
Suitable connector	DIN straight
Photo for reference	

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	4.3-10 male angled
Weight	≥ 54g @ DIN connector straight ≥ 34g @ 4.3-10 connector angled
Temperature rating	-55°C to +90°C
Temperature storage	-55°C to +90°C
Weatherproof	IEC60529, P68
UV resistance	IEC60068-2-5, 1000h
RoHS	Compliance



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