

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

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

PROSE

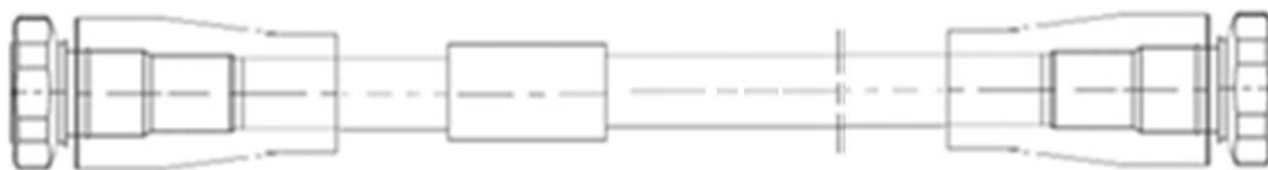


Photo for reference

Part number

PR-DMB-12R01-HD-DMB-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	DIN male straight
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 DIN male, straight
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 @ 2x43 dBm

Mechanical data

Minimum bending radius	Single	≤70mm
	Repeated	≤130mm
Connector torque proof recommend		25 to 30 NM

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	
Weatherproof silicone boot		
Technical data		Photo for reference
Material	Silicone, black	
Suitable cable	13-17mm	
Suitable connector	DIN	
Weight	≥54g	

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



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



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