

PR-DMB-12R01-43MB-V2-XXXX

1/2" regular RF jumper with weatherproof kit

PROSE

- 1/2" inch, low loss
- Outer door application, UV resistance
- Weatherproof kit pre-assembled
- Good performance at return loss and insertion loss

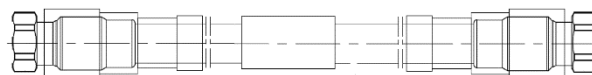


Photo for reference

Part number

PR-DMB-12R01-43MB-V2-XXXX	RF jumper with weatherproof kit
*XXXX indicate the length, unit mm	

Part list

Connector 1	DIN male straight, bronze/brass contact with silver plated
Connector 2	4.3/10 male straight, bronze/brass contact with silver plated
Cable	1/2" flexible regular, PE jacket, foam PE insulation
Bend protection	Molding
Weatherproof 1	Rubber boot for DIN male, straight
Weatherproof 2	Rubber boot for 4.3/10 male, straight
Label	Wrap sticker

Electrical data

Characteristics impedance	50Ω
Frequency	DC to 3GHz
Propagation velocity	≥87%
Connector insertion loss	$0.05 \cdot \sqrt{F} \text{ GHz dB}$
Cable attenuation (by meter)	$\leq 0.071 \text{ @703-803MHz}$
	$\leq 0.0713 \text{ @890-960MHz}$
	$\leq 0.100 \text{ @1710-1880MHz}$
	$\leq 0.110 \text{ @1920-2170MHz}$
	$\leq 0.124 \text{ @2170-2700MHz}$
Assembly insertion loss	Cable attenuation+ connection loss ($0.1 \cdot \sqrt{F} \text{ GHz}$)
Return loss	$\geq 28\text{dB @703-803MHz}$
	$\geq 28\text{dB @890-960MHz}$
	$\geq 28\text{dB @1710-1880MHz}$
	$\geq 28\text{dB @1920-2170MHz}$
	$\geq 26\text{dB @2170-2700MHz}$
Intermodulation (3rd Order), 2x43dBm	$\leq -162\text{dBc @4.3-10 type, 2x43 dBm}$
	$\leq -159\text{dBc @DIN type, 2x43 dBm}$

Mechanical data

Minimum bending radius	Single	70mm
	Repeated	130mm

Environment

Working temperature	-55°C to +85°C
Halogen free	IEC 60754-2011
UV resistance	UL1581, section 1200
IP protection	IP68, mated pair
RoHS	Compliant

Rubber boot for DIN male straight, 4.3-10 male, straight

Cable	
Inner conductor	Copper clad aluminum, smooth solid tube, 4.8mm
DC resistance	$\leq 1.57\Omega/\text{km}$
Outer conductor	Corrugated copper, SIN wave, 13.8mm
DC resistance	$\leq 2.7\Omega/\text{km}$
Jacket	Black PE, 15.9mm $\pm$ 2%
Weight	$\geq 0.2\text{kg/m}$
Maximum tensile strength	$\geq 1050\text{N}$
Connector	
Inner contact	Bronze/brass contact with silver plated
Insertion loss, typical	$\leq 0.05 \cdot \sqrt{F} \text{ GHz dB}$
Weight	$\geq 86\text{g}$ @ DIN connector $\geq 27\text{g}$ @ 4.3-10 connector
Weatherproof silicone boot	
Technical data	
Material	Silicone, black
Suitable cable	13-17mm
Suitable connector	DIN male, straight, $\geq 54\text{g}$
Operating Temperature	-55°C to +90°C
Storage Temperature	-55°C to +90°C
Weatherproof	IP68
UV resistance	IEC60068-2-5
RoHS	Compliance
Photo for reference	
	

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Material	Silicone, black	
Suitable cable	13-17mm	
Suitable connector	4.3-10 male, straight, ≥34g	
Operating Temperature	-55°C to +90°C	
Storage Temperature	-55°C to +90°C	
Weatherproof	IP68	
UV resistance	IEC60068-2-5	
RoHS	Compliance	

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