

- Working frequency up to 6GHz
- Flexible cable 1/2 inch, easy to take and install
- Good performance at return loss and Intermodulation
- Outdoor application, UV resistance, halogen free

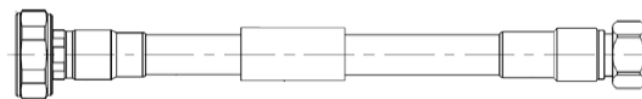


Photo for reference

Part number

PR-XX-12R01-8V8-XX-XXXX				
PR	XX	12R01-8V8	XX	XXXX
NA	Connector indicates	Cable indicates	Connector indicates	Length indicates
Default	DM=DIN male DF=DIN female NM=N male NF=N female 43M=4.3/10 male 43F=4.3/10 female ...	1/2" flexible PE jacket	DM=DIN male DF=DIN female NM=N male NF=N female 43M=4.3/10 male 43F=4.3/10 female ...	Unit mm Tolerance: ±20mm @L<2m ±1% @L≥2m

Part list

Connector		DIN, N, 4.3/10, etc, straight or angled available
Cable	1/2" flexible, 15.9mm	
	Inner conductor	Copper-Clad Aluminium Wire
	Dielectric	Foam PE
	Outer conductor	Corrugated copper(Annularly)
	Jacket	PE, Black
Bend protection		Molding
Label		Wrap sticker

Electrical data

Characteristics impedance	50±1 Ω
Frequency	DC to 6GHz
Insulation resistance	≥5000MΩ
Dielectric withstanding voltage	2500V rms
Operating voltage	500V rms
Insertion loss	Cable attenuation+ connection loss (0.1*√F GHz)

Return loss (VSWR)	$\leq -23\text{dB}(\leq 1.15)$ @ DC-2.7GHz
	$\leq -19\text{dB}(\leq 1.25)$ @ 2.7-6.0GHz
Intermodulation (3 rd Order)	$\leq -155\text{dBc}$ @1800/2100/2600/3500MHz, 2x43dBm

Mechanical data

Cable tensile resistance	$\geq 1130\text{N}$
Min. Bending radius	70mm
Bare cable weight	$\geq 204\text{kg/km}$
Connector torque proof recommend	25 to 30N.m @DIN type
	5 to 8N.m @4.3 type
	0.7 to 1.3N.m @N type

Environment

Working temperature	-40°C to +85°C
IP protection	IP68, mated pair, 1m, 1.5H, 20°C
RoHS	Compliant

Notice

- 1, The connection should be covered with addition weatherproof kits for long time duration.
- 2, Connection molding shape may be changed during the product life-time due to the manufacture skill upgrade.

Cable attenuation reference

Frequency (MHz)	Typical Attenuation (dB/100m)
450	4.70
700	6.00
800	6.35
900	6.75
1000	7.20
1800	9.90
2000	10.50
2100	10.96
2200	11.10
2500	11.95
2700	12.47

3000	13.20
3500	14.65
3600	14.80
3800	15.32
4000	15.76
5000	18.20
6000	21.00
*Maximum attenuation value shall be 105% of the nominal attenuation value.	

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