

- Working frequency up to 6GHz
- Flexible cable 1/2 inch, easy to take and install
- Good performance at return loss and Intermodulation
- Indoor application, flame retardant, non-corrosive, halogen free
IEC60332-3-24, IEC60754, IEC61034, CPR B2ca-s1a, d0, a1

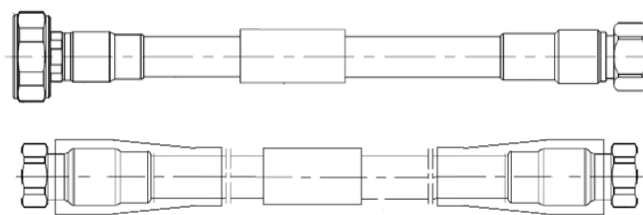


Photo for reference

Part number

PR-XX-12R02-C1-XX-XXXX		1/2R cable assembly		
PR	XX	12R02-C1	XX	XXXX
NA	Connector indicates	Cable indicates	Connector indicates	Length indicates
Default	DM=DIN male DF=DIN female DMA=DIN male angled NM=N male NF=N female NMA=N male angled 43M=4.3/10 male 43MH=4.3/10 male hand screw 43F=4.3/10 female 43MA=4.3/10 male angled 43MAH=4.3/10 male hand screw, angled 41M=4.1/9.5 male 41F=4.1/9.5 female 41MA=4.1/9.5 male angled XM=NEX10 male XF=NEX10 female ...	1/2" regular coaxial cable Flame retardant CPR B2ca-s1a, d0, a1 Heavy quality	DM=DIN male DF=DIN female DMA=DIN male angled NM=N male NF=N female NMA=N male angled 43M=4.3/10 male 43MH=4.3/10 male hand screw 43F=4.3/10 female 43MA=4.3/10 male angled 43MAH=4.3/10 male hand screw, angled 41M=4.1/9.5 male 41F=4.1/9.5 female 41MA=4.1/9.5 male angled XM=NEX10 male XF=NEX10 female ...	Unit mm Tolerance: ±20mm @L<2m ±1% @L≥2m
*Remark: "B" indicates "with waterproof boot". For example, "43MB" indicates "4.3-10 male connector with waterproof boot".				

Part list

Connector	DIN, N, 4.3/10, etc, straight or angled available
Cable	1/2" regular flexible cable, flame retardant, CPR B2ca-s1a, d0, a1, 15.9mm
Weatherproof boot	Rubber boot

Bend protection	Molding
Label	Wrap sticker

Electrical data

Characteristics impedance	50Ω
Frequency	DC to 6GHz
Insulation resistance	≥5000MΩ
Dielectric withstanding voltage	2500V rms
Operating voltage	500V rms
Insertion loss	Cable attenuation+ connection loss ($0.1*\sqrt{FGHz}$)
Return loss	≤-28dB @ DC-1.0GHz
	≤-26dB @ 1.0-2.2GHz
	≤-23dB @ 2.2-3.0GHz
	≤-22dB @ 3.0-3.8GHz
	≤-18dB @ 3.8-5.0GHz
Intermodulation (3 rd Order)	≤-160dBc @700MHz/1800MHz/2600MHz 2x43dBm

Mechanical data

Cable tensile resistance	≥750N
Min. Bending radius, single	70mm
repeated	125mm
Connector torque proof recommend	25 to 30N.m @DIN type
	5 to 8N.m @4.3 type
	5 to 8N.m @4.1 type
	0.7 to 1.3N.m @N type
	1.5 to 1.8N.m @NEX10 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 (without connector)

Frequency (MHz)	Attenuation (dB/100m)	Attenuation (dB/100feet)
450	4.70	1.43
800	6.35	1.94
900	6.75	2.06
1000	7.20	2.20
1800	9.90	3.02
2000	10.50	3.20
2200	11.10	3.38
2500	11.95	3.64
2700	12.47	3.80
3000	13.20	4.02
3500	14.65	4.47
3600	14.80	4.51
3800	15.32	4.67
4000	15.76	4.80
5000	18.20	5.55
6000	20.45	6.23

Weatherproof silicone boot

Material	Silicone, black
Suitable cable	1/2"R
Suitable connector	DIN/N/4.3-10/NEX10, straight
Temperature rating	-40°C to +90°C
Weatherproof	IP68
UV resistance	Compliance
RoHS	Compliance

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