

- Working frequency up to 4GHz
- High flexible cable 1/2 inch, easy to take and install
- Good performance at return loss and Intermodulation
- Indoor application, halogen free, flame retardant follows IEC60332-3-24, IEC60754, IEC61034, CPR B2ca-s1a, d0, a1

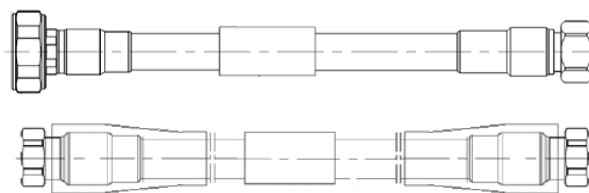


Photo for reference

Part number

PR-XX-12S02-C1-XX-XXXX				
PR	XX	12S02-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" super flexible Flame retardant CPR B2ca-s1a, d0, a1	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" super flexible, flame retardant, CPR B2ca-s1a, d0, a1
Bend protection	Molding
Label	Wrap sticker

Electrical data

Characteristics impedance	50Ω
Frequency	DC to 4GHz
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
Intermodulation (3 rd Order)	≤-160dBc @700MHz/1800MHz/2600MHz 2x43dBm

Mechanical data

Cable tensile resistance	≥750N
Min. Bending radius	35mm
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)
450	7.59
800	10.40
900	11.20
1000	11.80
1800	16.00
2000	17.20
2200	18.20
2500	19.50
2700	20.50
3000	21.90
3500	22.97
3600	23.81
3800	24.46
4000	25.20

Weatherproof silicone boot

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

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.