

- Working frequency up to 4GHz
- High flexible cable 1/2 inch, easy to take and install
- Good performance at return loss and Intermodulation
- Outdoor application, UV resistance, halogen free

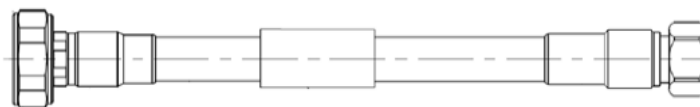


Photo for reference

Part number

PR-XX-12S01-XX-XXXX				
PR	XX	12S01	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 41M=4.1/9.5 male 41F=4.1/9.5 female 41MA=4.1/9.5 male angled NEX10M=NEX10 male NEX10F=NEX10 female XM=NEX10 male XF=NEX10 female ...	1/2" super flexible PE jacket	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 41M=4.1/9.5 male 41F=4.1/9.5 female 41MA=4.1/9.5 male angled NEX10M=NEX10 male NEX10F=NEX10 female XM=NEX10 male XF=NEX10 female ...	Unit mm Tolerance: ±20mm @L<2m ±1% @L≥2m

Part list

Connector	DIN, N, 4.3/10, Nex10, etc., straight or angled available
Cable	1/2" super flexible, PE jacket, 13.4mm
Bend protection	Molding
Label	Wrap sticker

Electrical data

Characteristics impedance	50Ω
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Frequency	DC to 4GHz
Insulation resistance	$\geq 5000\text{M}\Omega$
Dielectric withstanding voltage	2500V rms
Operating voltage	500V rms
Insertion loss	Cable attenuation+ connection loss ($0.1 \cdot \sqrt{F\text{GHz}}$)
Return loss	$\leq -28\text{dB}$ @ DC-1.0GHz
	$\leq -26\text{dB}$ @ 1.0-2.2GHz
	$\leq -23\text{dB}$ @ 2.2-3.0GHz
	$\leq -22\text{dB}$ @ 3.0-3.8GHz
Intermodulation (3 rd Order)	$\leq -117\text{dBm}$ @900MHz, 2x43dBm

Mechanical data

Cable tensile resistance	$\geq 450\text{N}$
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

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

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