

- 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

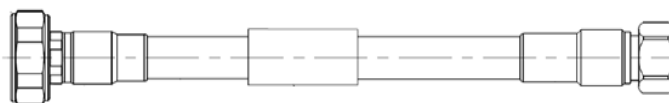


Photo for reference

Part number

PR-XX-12S01-HD-XX-XXXX				
PR	XX	12S01-HD	XX	XXXX
NA	Connector indicates	Cable indicates	Connector indicates	Length indicates
Default	DM=DIN male	1/2" super flexible PE jacket, heavy duty	DM=DIN male	XXXX: unit mm
	DF=DIN female		DF=DIN female	Tolerance:
	DMA=DIN male angled		DMA=DIN male angled	±20mm @L<2m
	NM=N male		NM=N male	±1% @L≥2m
	NF=N female		NF=N female	XXM: unit meter
	NMA=N male angled		NMA=N male angled	Tolerance:
	43M=4.3/10 male		43M=4.3/10 male	±20mm @L<2m
	43MH=4.3/10 male hand screw		43MH=4.3/10 male hand screw	±1% @L≥2m
	43F=4.3/10 female		43F=4.3/10 female	XXFT: unit feet
	43MA=4.3/10 male angled		43MA=4.3/10 male angled	Tolerance:
	41M=4.1/9.5 male		41M=4.1/9.5 male	±20mm @L<2m
	41F=4.1/9.5 female		41F=4.1/9.5 female	±1% @L≥2m
	41MA=4.1/9.5 male angled		41MA=4.1/9.5 male angled	
	XM=NEX10 male		XM=NEX10 male	
	XF=NEX10 female		XF=NEX10 female	
	...		...	

Part list

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

Electrical data

Characteristics impedance	50Ω
Frequency	DC to 4GHz
Insulation resistance	≥5000MΩ
DC breakdown voltage	2500V rms
Power handling	≥800W @1.0GHz
@20°C, see level, VSWR 1.0	≥500W @2.0GHz
Insertion loss	Cable attenuation+ connection loss ($0.1*\sqrt{F\text{GHz}}$)
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, single	25mm
repeated	35mm
Flat plate crush strength	15N/mm
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), typical	Attenuation (dB/100 feet), typical
450	7.59	2.31
800	10.40	3.17
900	11.20	3.41
1000	11.80	3.60
1800	16.00	4.88
2000	17.20	5.24
2200	18.20	5.55
2500	19.50	5.94
2700	20.50	6.25
3000	21.90	6.68
3500	22.97	7.00
3600	23.81	7.26
3800	24.46	7.46
4000	25.20	7.68

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.