

Orbis OptoMast™ RF Jumper Cable 1/2"

OptoMast™ RF Jumper Cables are used in two different applications: in signal transfer between a radio and antenna installed on a mobile network base station mast or on the wall/roof of a building, and in DAS (Distributed Antenna System) installations.

OptoMast™ RF Jumper Cable 1/2" assembly consists of:

- 1/2" superflex corrugated cable with excellent bending properties
- RF connectors: 4.3-10F - 4.3-10M, 4.3-10MA - 4.3-10M, or 4.3-10M - 4.3-10M

Benefits

- Easy to install
- Assembly designed for indoor and outdoor use, IP66

Applications

- RF-to-the-Antenna: Tetra, 2G, 3G, 4G, 5G
- DAS (Distributed Antenna System)

Technical specifications

CABLE

Inner conductor	Copper-Clad Aluminium Wire
Dielectric material	PE foam
Outer conductor	Corrugated copper tube
Jacket material	Low Smoke Halogen-free Fire-retardant
Cable diameter	13,30 mm
Color	Black

CONNECTOR

Type	4.3-10F	4.3-10M, 4.3-10MA
Inner conductor pin	Brass/Silver plating	Brass/Silver plating
Body	Brass/trimetal plating	Brass/trimetal plating
Outer conductor	Brass/Silver plating	Brass/trimetal plating
Insulator	PTFE	PTFE
Gasket	-	Silicon rubber
Nut	-	Brass/nickel plating



4.3-10MA - 4.3-10M



4.3-10M - 4.3-10M

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Technical specifications

ASSEMBLY

Impedance	50 Ω
Frequency range	DC ~ 6 GHz
Insulation resistance	≥ 5000 MΩ
Dielectric withstanding voltage	2500V rms (DC)
Operating voltage	1500V
Insertion loss	≤ 0.21 x cable length + 0.2 dB (DC-2.7 GHz)
VSWR	0,8-1,0 GHz ≤ 1,08 1,7-3,0 GHz ≤ 1,10
PIM	≤ -160 dBc @ 2x43 dBm
Cable tensile resistance	≥ 500N
Min. bending radius	15 mm single 30 mm repeated
Storage temperature	-45...+65°C
Installation temperature	-40...+60°C
Operating temperature	-45...+85°C
Protection class	IP66
CPR class	Dca s1 d1 a1
RoHS	Compliant

ORDERING INFORMATION

4.3-10F - 4.3-10M 1/2"

3007624	2 m
3007625	3 m
3006955	4 m
3007626	5 m
3006957	6 m

4.3-10MA - 4.3-10M 1/2"

3004970	1 m
3004838	2 m
3004839	3 m
3004840	5 m
3004940	7 m
3005163	10 m
3005165	12 m
3005166	15 m
3007263	20 m

4.3-10M - 4.3-10M 1/2"

3004969	1 m
3004828	2 m
3004831	3 m
3007266	4 m
3004836	5 m
3004939	7 m
3005162	10 m
3005164	15 m
3007265	20 m

Other lengths and connector interfaces (7/16 and N) available on request