

## CELLFLEX® Factory-Fit Jumper Assembly, 7-16 DIN Male / 4.3-10 Male

Radio Frequency Systems' CELLFLEX® Factory-Fit Jumpers feature specially designed connectors which are soldered-on in a strictly controlled industrial process to ensure industry leading performance for today's high-performance wireless systems. The connector design and manufacturing process has been optimized to produce premium VSWR and IM levels. Injection molded boots provide reliable and repeatable additional sealing level and strain relief. Our facilities produce and stock all popular lengths as required by the industry, and can deliver custom lengths with premium VSWR and IM levels on request.



shows 7M43MS12-0200FFP for illustration

### FEATURES / BENEFITS

- ➔ **Stable premium VSWR, outstanding and consistent intermodulation performance - 4.3-10 side not relying on coupling torque**  
Improves network performance, reduces the number of dropped calls and avoids revenue loss.
- ➔ **Waterproof to IP 68**  
No downtime risk, secures revenue.
- ➔ **Smaller connector footprint for 4.3-10**  
Enables tighter spacing of connections for antennas and RRHs.
- ➔ **Available with standard "J" or flame retardant "JFN" jacket types**  
Usable in all applications.
- ➔ **Compliant to RoHS (EU) and CRoHS (China)**  
Usable on a global basis.

### Technical Features

#### STRUCTURE

Cable Type		1/2" Low Loss Foam
Jumper Type		Factory-Fit (Premium)
Connector A		7-16 DIN Male
Center Contact Connector A		Brass, Silver plated
Outer Contact Connector A		Brass, Trimetal plated
Coupling Nut Connector A		Hexagon nut, Nickel plated
Connector B		4.3-10 Male
Center Contact Connector B		Brass, Silver plated
Outer Contact Connector B		Brass, Trimetal plated
Coupling Nut Connector B		Hexagon nut, Nickel plated
Dielectric		PTFE
Gasket		Silicone rubber
Jacket		Black PolyethyleneHalogen-free acc. IEC 60754-1 and -2

#### MECHANICAL SPECIFICATIONS

Length	m (ft)	5 (16.4)
Minimum Bend Radius	mm (in)	32 (1.25)

#### TESTING AND ENVIRONMENTAL

Sealing class		IP68
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#### ELECTRICAL SPECIFICATIONS

Intermodulation, 3rd Order	dBc	-159 (typical)
VSWR (Return Loss), typical	VSWR (dB)	1.041 (34) @ 410 - 470 MHz 1.041 (34) @ 698 - 1000 MHz 1.052 (32) @ 1710 - 2200 MHz 1.065 (30) @ 2200 - 2700 MHz 1.083 (28) @ 2700 - 3800 MHz

#### TEMPERATURE SPECIFICATIONS

Installation Temperature	°C(°F)	-40 to 60 (-40 to 140 )
Operation Temperature	°C(°F)	-50 to 85 (-58 to 185 )
Storage Temperature	°C(°F)	-70 to 85 (-94 to 185 )

### External Document Links

Handling instruction

### Notes