

**MULTIFLEX-L78**

CELLFLEX®MULTIFLEX Jumper Assembly with low loss coax, LCF78 feeder



MULTIFLEX Jumper-Cable assemblies are the simple solution for those who like to have a very low loss transmission jumper with highest flexibility at both connection ends. RFS site kitting services offers a full assembled Jumper containing feeder-cable from LCF78-50 to LCF158-50, and Jumper cable such as super flexible SCF12-50 for both endings.

Feature / 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 on global basis in all applications.

Technical features**TESTING AND ENVIRONMENTAL**

Sealing Class	IP68
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ELECTRICAL SPECIFICATIONS

Maximum Operating Frequency	6 GHz
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TEMPERATURE SPECIFICATIONS

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

JUMPER VSWR 0 - 10 M

Frequency	Straight / Straight	Right Angle / Right Angle
Cable Type	LCF78-50	SCF12-50
Cable weight	0.35 Kg/m (0.23 lb/ft)	0.135 Kg/m (0.09 lb/ft)
Min bending radius, single bending	120 mm (5 in)	32 mm (1.3 in)
Min bending radius, multiple bending	250 mm (10 in)	32 mm (1.3 in)
bending moment	13 Nm (10 lb*ft)	2.5 Nm (1.84 lb*ft)
Tensile strength	1440 Nm (324 lb)	650 Nm (146 lb)
Recommended maximum clamp spacing	0.8 / 1 m (2.75 / 3.25 ft)	0.3 / 0.5 m (1 / 1.64 ft)
Velocity factor	88 %	77 %
Capacitance	74 pF/m (22.5 pF/ft)	86 pF/m (26 pF/ft)
Jacket Spark tested up to:	8000 V RMS	5000 V RMS
Inner conductor DC resistance	2.04 Ω/Km (0.62 Ω/ 1000 ft)	2.97 Ω/Km (0.9 Ω/ 1000 ft)
Outer conductor DC resistance	2 Ω/Km (0.61 Ω/ 1000 ft)	6.5 Ω/Km (1.98 Ω/ 1000 ft)

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