

Up to 110GHz High Phase Stability Low Insertion Loss Flexible & Hand Formable JUNFLON® MWX001

- Low insertion loss and excellent phase stability against bending up to 110GHz.
- Insertion Loss drastically improved.(Before13.7dB/m→After11.8dB/m) NEW
- High quality signal transmission with excellent flexibility and form-sustainability.
- Safety Lock Function adopted to preserve 1.0mm(m) connector's central pin.
- Standard type armored with SUS spiral tube for mechanical damage reduction.



Cable Properties

Electrical Properties

Maximum operating frequency	110.0 GHz
Characteristic impedance (typ.)	50 Ω
Capacitance (typ.)	88 pF/m
Propagation delay (typ.)	4.2 nsec/m
Wavelength reduction rate (typ.)	79 %
Maximum frequency insertion loss (110.0GHz)	11.8 dB/m
VSWR (per connector / both ends of assy)	1.197/1.43

Mechanical Properties

Cable outer diameter	4.0 mm
Minimum bending radius (inner side)	15 mm
Cable mass (typ.)	50 g/m
Continuous operating temperature range	-30 ~ +85 ℃
Assembly length	100 \sim 200 mm
Armored side pressure	157 N/cm

• Typical insertion loss $0.86 \times (0.035 \times f \text{ (GHz)} + 0.9 \times \sqrt{f \text{ (GHz)}} + 0.4) \times L(m)$

Maximum insertion loss 0.86×(0.035×f (GHz)+0.9×√f (GHz) +0.4)×1.12×L(m)





Static Bending Data (Phase Change)



How to connect the safety lock Patent pending



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