

JX-412 SERIES**Physical Dimensions**

Component	JX-412B mm	JX-412L mm	JX-412T mm
Center Conductor	2.26	2.26	2.26
Dielectric	9.20	9.20	9.20
Outer Conductor	10.07	10.00	10.30
Outer Conductor Thickness	--	--	0.60
Jacket	12.30	12.30	12.30
Jacket Wall Thickness	1.10	1.15	1.05
Messenger	2.77	2.77	2.77

Mechanical Characteristics

Minimum Bending Radius(Jacket) JX-412B 6.0in. 15cm JX-412L 6.0in. 25cm JX-412T 6.0in. 25cm
Minimum Breaking Strength of Messenger 1800lbs. 816kgf
Dielectric Adhesion >20N/5cm

Electrical Characteristics

Capacitance 50±3.0 nf/km
Impedance 75±2.5 ohms
Velocity of Propagation 87%
Shielding Effectiveness JX-412B JX-412L JX-412T 55MHz ≥ 60dB 85dB 100dB 300MHz ≥ 70dB 85dB 100dB 1000MHz ≥ 70dB 85dB 100dB
Return Loss (100% swept) JX-412B JX-412L JX-412T 1 ~ 470MHz ≥ 22dB 20dB 22dB 470 ~ 1000MHz ≥ 20dB 18dB 20dB

Attenuation (20 °C, ≤dB/100m)

Frequency(MHz)	JX-412B	JX412-L	JX-412T
5	0.66	0.66	0.66
55	2.26	2.10	2.10
211	4.62	4.43	4.43
250	5.05	4.80	4.80
270	4.99	4.99	4.99
300	5.57	5.35	5.35
325	5.58	5.58	5.58
350	6.13	5.84	5.84
400	6.46	6.24	6.24
450	6.92	6.73	6.73
500	7.34	7.06	7.06
550	7.71	7.39	7.39
600	8.10	7.75	7.75
750	9.12	8.10	8.10
865	9.87	9.32	9.32
1000	10.73	10.10	10.10

Notes:

1. Nominal copper thickness for CCA (kg/km):10% CCA
2. The braiding coverage must be above 80% if you select braiding shield.