

JX-500 SERIES**Physical Dimensions**

Component	JX-500B mm	JX-500L mm	JX-500T mm
Center Conductor	2.77	2.77	2.77
Dielectric	11.43	11.43	11.43
Outer Conductor	12.30	12.20	12.70
Outer Conductor Thickness	--	--	0.65
Jacket	14.22	14.22	14.22
Jacket Wall Thickness	1.00	1.00	0.76
Messenger	2.77	2.77	2.77

Mechanical Characteristics

Minimum Bending Radius(Jacket) JX-500B 6.0in. 22cm JX-500L 6.0in. 30cm JX-500T 6.0in. 30cm
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-500B JX-500L JX-500T 55MHz ≥ 60dB 85dB 100dB 300MHz ≥ 70dB 90dB 110dB 1000MHz ≥ 70dB 90dB 110dB
Return Loss (100% swept) JX-500B JX-500L JX-500T 1 ~ 470MHz ≥ 22dB 20dB 22dB 470 ~ 1000MHz ≥ 20dB 18dB 20dB

Attenuation (20 °C, ≤dB/100m)

Frequency(MHz)	JX-500B	JX500-L	JX-500T
5	0.52	0.52	0.52
55	1.77	1.77	1.77
211	3.58	3.58	3.58
250	3.94	3.94	3.94
270	4.07	4.07	4.07
300	4.30	4.30	4.30
325	4.49	4.49	4.49
350	4.69	4.69	4.69
400	5.02	5.02	5.02
450	5.35	5.35	5.35
500	5.67	5.67	5.67
550	5.97	5.97	5.97
600	6.27	6.27	6.27
750	7.09	7.09	7.09
865	7.68	7.68	7.68
1000	8.27	8.27	8.27

Notes:

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