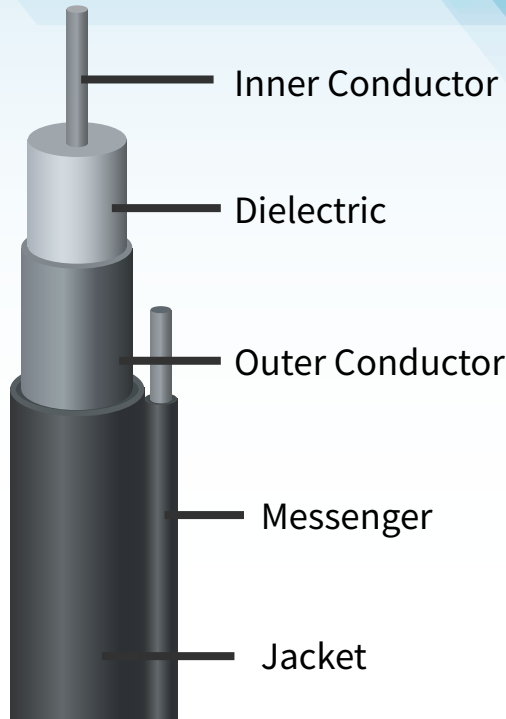


ZP-412 SERIES



Physical Dimensions

Component	ZP-412B mm	ZP-412L mm	ZP-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)
ZP-412B 6.0in. 15cm
ZP-412L 6.0in. 25cm
ZP-412T 6.0in. 25cm
Minimum Breaking Strength of Messenger
1800lbs. 816kgf
Dielectric Adhesion >20N/5cm

Electrical Characteristics

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

Attenuation (20°C, ≤dB/100m)

Frequency(MHz)	ZP-412B	ZP-412L	ZP-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.