

Q660B5, Q660W5, Q660BVM, Q690BVM

1) Description

18 gauge (1.02mm) copper covered steel center conductor;
gas expanded polyethylene dielectric; inner shield aluminum
foil overlap bonded to dielectric; outer shield of bare aluminum
braid wire; jacket of PVC. Nominal O.D. 6.90mm.

2) Physical Dimensions

Center Conductor:-----1.02±0.01mm Copper Clad Steel
Dielectric:-----4.57±0.05mm Foam PE
Shield:-----Bonded AL Foil 100%
Braid Coverage:-----60%X16X4X0.16±0.005mm AL
Braid Coverage:-----90%X16X6X0.16±0.005mm AL*
Jacket:-----6.90±0.05mm PVC
Ground Wire:-----1.30±0.01mm Steel
Ground Jacket:-----3.00±0.05mm PVC

3) Mechanical Characteristics

Operating Temperature Range:-----20°C To +75°C
Max. Recommended Pulling Tension: ----45 lbs
Min. Bend Radius (Install):-----3 in.

4) Electrical Characteristics

Sparker Test:-----4000VAC
Impedance:-----75±3 Ω
Capacitance:-----54±3pF/m
Velocity of Propagation:---85%
SRL:-----20dB (5-1000MHz) / 15dB (1001-3000MHz)
SRL:-----20dB (950-2200MHz) / 15dB (2201-3000MHz)*



5) Attenuation

Attenuation			[@68°F. (20°C)]		
Frequency (MHz)	Max. (dB/100 ft)		Frequency (MHz)	Max. (dB/100 ft)	
	Q660B5,W5,BVM	Q690BVM*		Q660B5,W5,BVM	Q690BVM*
1	0.38	0.37	900	6.96	5.79
5	0.58	0.55	1000	7.45	6.11
10	0.70	0.66	1200	8.25	6.73
50	1.48	1.41	1450	9.34	7.49
100	2.01	1.92	1800	10.69	8.43
200	2.86	2.64	2200	11.54	9.35
400	4.23	3.73	2500	11.70	9.97
700	5.96	5.05	3000	13.07	10.92

6) Printing:

INFOSAT Q660B5, Premier Cable, 001 meter --- 500 meters
INFOSAT Q660W5, Premier Cable, 001 meter --- 500 meters
INFOSAT Q660BVM, Premier Cable, 001 meter --- 305 meters
INFOSAT Q690BVM, Premier Cable, 001 meter --- 305 meters