

## Q11-D100

### 1) Description

14 gauge (1.63mm) copper covered steel center conductor; gas expanded polyethylene dielectric; first shield aluminum foil overlap bonded to dielectric; second shield of bare aluminum braid wire; third shield aluminum foil; fourth shield of bare aluminum braid wire; jacket of PVC. with ground wire and jelly  
Nominal O.D.10.16mm.

### 2) Physical Dimensions

Center Conductor:-----1.63±0.01mm Copper Clad Steel  
 Dielectric:-----7.11±0.05mm Foam PE  
 Shield:-----Bonded AL Foil 100%  
 Braid Coverage:-----60% X16X6X0.16±0.005mm AL Wire  
 Shield:-----AL Foil 100%  
 Braid Coverage:-----40% X16X4X0.16±0.005mm AL Wire  
 Jelly:-----YES  
 Jacket:-----10.29±0.05mm PVC  
 Messenger:-----1.83±0.01mm Steel  
 Jacket:-----4.00±0.05mm PVC

### 3) Mechanical Characteristics

Operating Temperature Range:-----20°C To +75°C  
 Max. Recommended Pulling Tension: -----97 lbs  
 Min. Bend Radius (Install):-----4.5 in.

### 4) Electrical Characteristics

Sparker Test:-----4000VAC  
 Impedance:-----75±3 Ω  
 Capacitance:-----54±3pF/m  
 Velocity of Propagation:---85%  
 SRL:-----23dB (5-450MHz)



### 5) Attenuation

Attenuation		[@68°F. (20°C)]	
Frequency (MHz)	Max. (dB/100 ft)	Frequency (MHz)	Max. (dB/100 ft)
5	0.38	500	2.90
55	0.96	550	3.04
83	1.18	600	3.18
100	1.50	750	3.65
187	1.75	865	3.98
211	1.90	1000	4.35
250	2.05	1500	6.91
300	2.25	2000	8.13
400	2.60	2500	9.20
450	2.75	3000	10.20

### 6) Printing:

INFOSAT Q11-D100, Premier Cable, 001 meter --- 305 meters