

TFC/U-JIN Coaxial Cable Product Information Data

1. SCOPE

This document detail is the performance criteria for 75 Ω type 11 Series drop coaxial cables.



Note: Figure is not equal scale

Model Type
MI No.

TU11Q-JVBL
UNPR-951

2. PHYSICAL PROPERTY

Inner Conductor	Copper Clad Steel	0.0642 in	(1.63 mm)
Dielectric	Foamed Polyethylene	0.280 in	(7.11 mm)
1st Outer Conductor	Sealed AP Tape	0.284 in	(7.21 mm)
2nd Outer Conductor	60% Aluminum Braid	0.309 in	(7.85 mm)
3rd Outer Conductor	AP Tape	0.312 in	(7.93 mm)
4th Outer Conductor	40% Aluminum Braid	0.337 in	(8.57 mm)
Floodant	Jelly	-	-
Jacket	Black PVC	0.406 in	(10.30 mm)

3. MECHANIAL PROPERTY

Product Weight	60 lb/kft	(89 kg/km)
Minimum Bend Radius	4.055 in	(103.0 mm)

4. ELECTRICAL PROPERTY

Characteristic Impedance	75 $\pm$ 3 Ω	
Velocity of Propagation, Nom.	85 %	
Capacitance, Nom.	16.2 nF/kft	53.2 nF/km
Inner Conductor Resistance @ 20 $^{\circ}$ C	12.19 Ω /kft	40 Ω /km
Attenuation @ 20 $^{\circ}$ C	Frequency	dB/100ft
	5 Mhz	0.38
	55 Mhz	0.96
	211 Mhz	1.90
	250 Mhz	2.05
	270 Mhz	2.13
	300 Mhz	2.25
	330 Mhz	2.35
	350 Mhz	2.42
	400 Mhz	2.60
	450 Mhz	2.75
	500 Mhz	2.90
	550 Mhz	3.04
	600 Mhz	3.18
	750 Mhz	3.65
	870 Mhz	4.06
	1000 Mhz	4.35
		1.25
		3.15
		6.23
		6.72
		7.00
		7.38
		7.71
		7.94
		8.53
		9.02
		9.51
		9.97
		10.43
		11.97
		13.31
		14.27

Attenuation increase with increasing temperature and decreases with decreasing temperature at the rate of 0.1% / $^{\circ}$ F (0.18% / $^{\circ}$ C)