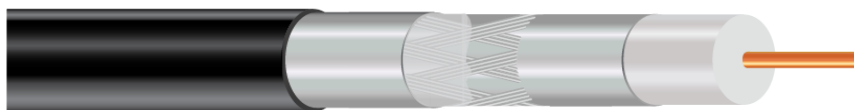


TFC/U-JIN Coaxial Cable Product Information Data

1. SCOPE

This document detail is the performance criteria for 75 Ω type 6 Series drop coaxial cables.



Note: Figure is not equal scale

Model Type

MI No.

TU6T77-JVBL

UNPR-969

2. PHYSICAL PROPERTY

Inner Conductor	Copper Clad Steel	0.0403 in	(1.02 mm)
Dielectric	Foamed Polyethylene	0.180 in	(4.57 mm)
1st Outer Conductor	Sealed AP Tape	0.188 in	(4.78 mm)
2nd Outer Conductor	77% Aluminum Braid	0.212 in	(5.38 mm)
Floodant	Jelly	-	-
3rd Outer Conductor	AP Tape	0.216 in	(5.49 mm)
Jacket	Black PVC	0.278 in	(7.06 mm)

3. MECHANIAL PROPERTY

Product Weight	30 lb/kft	(44.0 kg/km)
Minimum Bend Radius	0.831 in	(70.60 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	30.4 Ω /kft	100.0 Ω /km	
Attenuation @ 20 $^{\circ}$ C	Frequency	dB/100ft	dB/100m
	5 Mhz	0.58	1.90
	55 Mhz	1.60	5.25
	211 Mhz	3.05	10.00
	250 Mhz	3.30	10.82
	270 Mhz	3.36	11.04
	300 Mhz	3.55	11.64
	330 Mhz	3.74	12.26
	350 Mhz	3.85	12.63
	400 Mhz	4.15	13.61
	450 Mhz	4.40	14.43
	500 Mhz	4.66	15.29
	550 Mhz	4.90	16.08
	600 Mhz	5.10	16.73
	750 Mhz	5.65	18.54
	870 Mhz	6.11	20.04
	1000 Mhz	6.55	21.49

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