

TFC/U-JIN Coaxial Cable Product Information Data Sheet

1. SCOPE

This document detail is the performance criteria for 50 Ω type coaxial cables.



Note: Figure is not equal scale

Model Type
MI No.

RG-58/U
058ASZT950V11UBK0C

2. PHYSICAL PROPERTY

Inner Conductor	20AWG Bare Copper	0.0331 in	(0.84 mm)
Dielectric	Solid Polyethylene	0.116 in	(2.95 mm)
1st Outer Conductor	36AWG, 95% Tinned Copper Braid	0.136 in	(3.45 mm)
Jacket	Black PVC	0.193 in	(4.90 mm)

3. MECHANIAL PROPERTY

Product Weight	26.2 lb/kft	(39 kg/km)
Minimum Bend Radius	1.93 in	(49.0 mm)

4. ELECTRICAL PROPERTY

Characteristic Impedance	50 ± 3 Ω	
Velocity of Propagation, Nom.	66 %	
Capacitance, Nom.	30.0 nF/kft	(98.4 nF/km)
Inner Conductor Resistance @ 20 °C	10.0 Ω/kft	(32.8 Ω/km)
Attenuation @ 20 °C, Nom.	Frequency	
	10 Mhz	1.10 3.60
	50 Mhz	2.50 8.20
	100 Mhz	3.81 12.50
	200 Mhz	5.61 18.40
	400 Mhz	8.41 27.60
	700 Mhz	11.70 38.40
	900 Mhz	13.69 44.90
	1000 Mhz	14.51 47.60

Attenuation increase with increasing temperature and decreases with decreasing temperature at the rate of 0.1% / °F (0.18% / °C)