



500M
TRUNK
75 OHM COAXIAL CABLE

DESCRIPTION

500M – Series 500 Trunk Cable: 2.77 mm copper clad aluminum conductor, Fine’s proprietary gas injected PE foam dielectric, TIG welded aluminum tube outer conductor, 2.77 galvanized solid steel messenger and PE jacket.

CONSTRUCTION DETAILS

Inner Conductor, mm (inch)	2.77	(0.109)
Dielectric Diameter, mm (inch)	11.43	(0.450)
Outer Conductor Diameter, mm (inch)	12.70	(0.500)
Outer Conductor Thickness, mm (inch)	0.64	(0.025)
Overall Cable Diameter, mm (inch)	14.22	(0.560)
Solid Messenger Diameter, mm (inch)	2.77	(0.109)

ELECTRICAL SPECIFICATIONS

Network Analyzer Swept Frequency Range	1 – 1000 MHz	
Capacitance, pF/m	51.2 ± 2.20	
Impedance, ohms	75 ± 3	
Velocity of Propagation, %	87 nominal	
Maximum Attenuation @ 20°C at Various Frequencies:	dB/100m	(dB/100 feet)
5 MHz	0.52	0.16
55 MHz	1.80	0.55
250 MHz	3.94	1.20
300 MHz	4.30	1.31
350 MHz	4.69	1.43
400 MHz	5.02	1.53
450 MHz	5.35	1.63
500 MHz	5.67	1.73
550 MHz	5.97	1.82
600 MHz	6.30	1.92
750 MHz	7.12	2.17
870 MHz	7.69	2.35
1000 MHz	8.30	2.53

PACKAGING

Standard Reel Length:	750 Meters	(2460 feet)
Cable Weight:	215 kg/reel	(144 lbs/1000 feet)
Shipping Reel Weight:	182 kg/km	(401 lbs/reel)
Reel Dimensions:	Flange: 950 mm	Drum: 380 mm Traverse: 560 mm