



Description

RG-11/U Quad CATV 75 Ohm Coaxial Cable

Applicable Standards

Reference Standard

SCTE
UL444, ROHS

Physical Characteristics

Conductor		C.C.S.
AWG		14
Diameter	(inches)	0.06377
Insulation		Foam Polyethylene
Nom. Thickness	(inches)	2.75
Insulation Diameter	(inches)	7.11+/- 0.15
Braid Shield		Aluminum
Coverage Area		60
Jacket		PVC
Nom. Thickness	(inches)	0.65
Cable Diameter	(inches)	10.34
Nominal Weight		60 lbs.

Electrical Performance

Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)
5	1.50	550	9.97
55	3.53	600	10.43
211	6.23	750	11.97
250	6.72	870	13.31
270	7.00	1000	14.27
300	7.38	1250	16.09
350	7.94	1450	17.34
400	8.23	2200	21.90
450	9.02	2400	23.01
500	9.51	3000	25.60

Electrical Characteristics

Dielectric Strength	(kV/min)	1.0
Impedance	(± 3.0 Ohms)	75.0
SRL	(dB, 5-1,000 MHz)	>=18
Capacitance	(pF/m)	50+/-3
Conductor DCR@20° C	(ohms/km)	<=39.4
DC Loop Resistance @20° C	(ohms/km)	<= 56.4
Velocity of Propagation	(%)	>=82

Mechanical Characteristics

Test Object			Jacket
Test Material			PVC
Before	Tensile Strength (Mpa)		>=12
Aging	Elongation (%)		>=200
Cold Bend	(-10 ± 2°C x 4 hrs)		No crack
Jacket impact test	(5°C)		No crack
Jacket Longitudinal Shrinkage	(%)		<=5
Center Conductor Break Strength†	(N)		>=754
Center Conductor Bond to dielectric	(N)		>= 22.2

Cable Marking

RG11 QUAD SHIELD 14AWG CMR FT4 3180662 AL BRAID VERIFIED TO C(ETL)US CATV SWEPT TO 3.0 GHZ ****FT

RG11QRBK2 BLACK 1,000' Reel