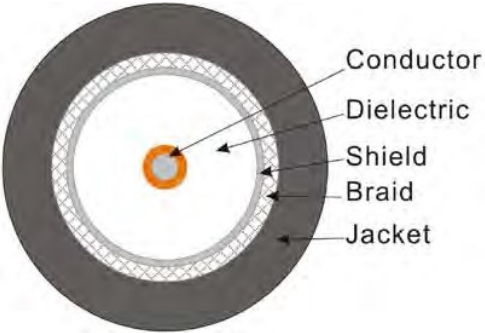


SCP Part Number: RG11/U

REV.A

Cross Section



Description

RG11/U COAX 3.0GHz 14 AWG CCS, 60% AL BRAID-BLACK- 1000 FT SPOOL

Marking

STRUCTURED CABLE PRODUCTS EXXXXXX (UL) OR C(UL)
CM 14 AWG CCS 75C MM/YY -- P/N: RG11/U -- RG11/U
COAX 3.0GHz, 60% AL BRAID CE EU RoHS EC
ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 xxxxFEET

Construction

Center Conductor:	Copper Clad Steel
Size	14AWG
Dia.(in/mm)	0.064/1.63
Insulate	Skin Foam PE
Nom. Thickness(in/mm)	0.108/2.74
Insulation Dia.(in/mm)	0.280/7.11
Shield	Bonded Aluminum Foil
Coverage Area (%)	100
Braid Shield	Aluminum Wire
Coverage Area(%)	60
Jacket	Black FR-PVC
Nom. Thickness(in/mm)	0.030/0.76
Min. Thickness(in/mm)	0.024/0.61
Cable Dia.(in/mm)	0.395/10.03
Packing	Spool
Length(ft/m)	1000/305
Gross Weight(lbs/kg)	58.42/26.5

Performance

Electrical Characteristics:[@68°F.(20°C.)]

Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)
5	0.38	1.25
55	0.96	3.15
250	2.05	6.73
300	2.43	7.97
450	2.75	9.02
550	3.04	9.97
750	3.65	11.97
865	3.98	13.05
1000	4.49	14.73
1200	4.75	15.58
1450	5.35	17.55
1750	6.08	19.94
2000	6.32	20.73
2150	6.60	21.64
2250	6.70	21.97
2500	7.02	23.02
2750	7.40	24.27
3000	7.74	25.38

Dielectric Strength (kV/min)	1
Impedance (ohms)	75±3.0
SRL (dB)	5~1000MHz >=20 1001~3000MHz >=15
Capacitance (pF/ft)	16.2
Conductor DCR@ 20°C (ohms/kft)	12.66
DC Loop Resistance@ 20°C (ohms/kft)	19.37
Velocity Of Propagation (%)	83

Mechanical Characteristics:

Test Object:	Jacket
Test Material	
Before	Tensile strength (psi) 2000
Aging	Elongation (%) 200
Aging Condition	(°C_hrs) 100_168
After	Tensile strength (%) >=85%unaged
Aging	Elongation (%) >=50%unaged
Cold Bend	(-20±2°C/4hrs) No Crack
Jacket Longitudinal Shrinkage	(%) >=5
Center Conductor break Strength	(lbs) 85
Operating Temperature Range	(°C) -20~75

Standards

UL, CE, RoHS