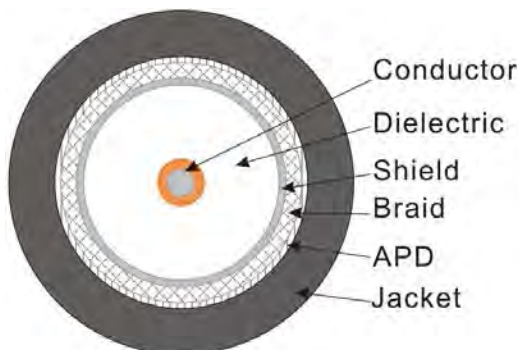


SCP Part Number: RG6/U-DB

REV.A

Cross Section



Description

RG6/U 3.0 Ghz CATV DIRECT BURIAL 18 AWG CCS 60% AL BRAID, GEL FILLED, PE DIRECT BURIAL JACKET- BLACK- 1000 FT SPOOL

Marking

STRUCTURED CABLE PRODUCTS -- P/N: RG6/U-DB -- RG6/U COAX CATV DIRECT BURIAL - SWEEP TESTED TO 3.0 GHZ 18 AWG CCS, 60% AL BRAID -- PE JACKET -- 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	18AWG
Dia.(in/mm)	0.0403/1.02
Insulate	Skin Foam PE
Nom. Thickness(in/mm)	0.070/1.78
Insulation Dia.(in/mm)	0.0180/4.57
Shield	Bonded Aluminum Foil
Coverage Area (%)	100
Braid Shield	Aluminum Wire
Coverage Area(%)	60
Flooded	APD
Jacket	Black PE
Nom. Thickness(in/mm)	0.030/0.76
Min. Thickness(in/mm)	0.024/0.61
Cable Dia.(in/mm)	0.272/6.91
Packing	Wooden Spool
Length(ft/m)	1000/305
Gross Weight(lbs/kg)	25.35/11.50

Performance

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

Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)
5	0.79	2.57
10	0.82	2.66
50	1.47	4.79
100	2.05	6.72
200	2.84	9.28
400	4.06	13.28
700	5.60	18.36
900	6.24	20.43
1000	6.60	21.61
1200	7.50	24.59
1450	8.04	26.36
1800	8.84	28.98
2200	9.77	32.03
2500	11.13	36.47
2750	11.58	37.94
3000	12.06	39.54

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)	31
DC Loop Resistance@ 20°C (ohms/kft)	45.45
Velocity Of Propagation (%)	85

Mechanical Characteristics:

Test Object:	Jacket
Test Material	
Before Aging	Tensile strength (psi) 2300
After Aging	Elongation (%) 450
Cold Bend	(-40±2°C/4hrs) No Crack
Jacket Longitudinal Shrinkage	(%) >=5
Center Conductor break Strength	(lbs) 85
Operating Temperature Range	(°C) -40~80

Standards

CE, RoHS