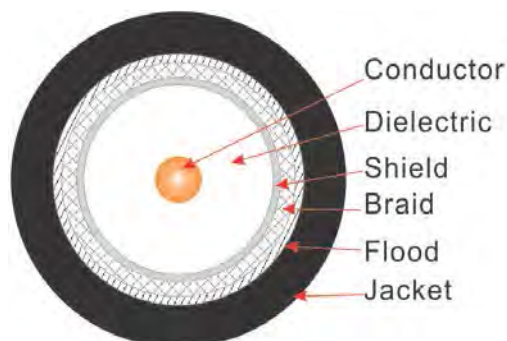


SCP Part Number: RG6/UDC-DB

REV.A

Cross Section



Description

RG6/U HDTV SERIAL DIGITAL COAX 3.0 GHz DIRECT BURIAL- 18 AWG BC, 100% AL FOIL, 95% TC BRAID, GEL FILLED, LLDPE JKT- 500 FT/ 152 M SPOOL- BLACK

Marking

STRUCTURED CABLE PRODUCTS -- P/N: RG6/UDC-DB -- RG6/U HDTV SERIAL DIGITAL COAX DIRECT BURIAL SWEEP TESTED TO 3.0 GHz 18 AWG BC, 100% AL FOIL 95% TC BRAID -- PE JACKET -- CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 xxxFT

Construction

Center Conductor:	Bare Copper
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)	0.180/4.57
Shield	Aluminum foil with bonded
Coverage area (%)	100
Braid Shield	Tinned Copper
Coverage area (%)	95
Flooded	APD
Jacket	Black PE
Nom. Thickness(in/mm)	0.031/0.79
Min. Thickness(in/mm)	0.025/0.64
Cable Dia.(in/mm)	0.272/6.91
Packing	Wooden spool
Length(ft/m)	500/152.5
Gross Weight(lbs/kg)	21.06/9.80

Performance

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

Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)
5	0.52	1.71
50	1.47	4.82
100	2.05	6.73
200	2.84	9.32
400	4.06	13.32
700	5.60	18.37
900	6.24	20.47
1000	6.60	21.65
1450	8.04	26.38
1800	8.84	29.00
2200	9.77	32.05
2500	11.13	36.52
2750	11.58	37.99
3000	12.06	39.57

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)	6.55
DC Loop Resistance@ 20°C (ohms/kft)	10.68
Velocity Of Propagation (%)	85

Mechanical Characteristics:

Test Object:	Jacket
Test Material	
Before Tensile strength (psi)	2300
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