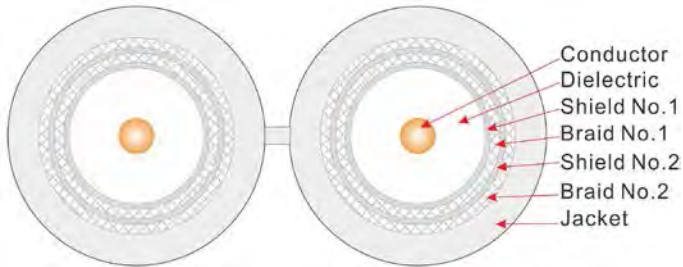




SCP Part No. RG6/UQ-S-BC-WT

REV.A

Cross Section



Description

RG6/U QUAD SHIELD SIAMESE DUAL COAX 3.0GHZ- 2x 18 AWG BC, 60%/40% AL BRAID- 500 FT SPOOL- WHITE

Marking

STRUCTURED CABLE PRODUCTS Exxxxxx (UL) OR C(UL) CM 2x 18 AWG BC 75C MM/YY -- P/N: RG6/UQ-S-BC -- RG6/U QUAD SHIELD DUAL COAX CATV SWEEP TESTED TO 3.0 GHz HDTV, 60% / 40% AL BRAID CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 xxxFEET

Construction

SINGLE RG6/UQ-BC

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)	0.0180/4.57
The First Shield	Bonded Aluminum Foil
Coverage Area (%)	100
The First Braid Shield	Aluminum Wire
Coverage Area(%)	60
The second Shield	Aluminum Foil
Coverage Area(%)	100
the Second Braid Shield	Aluminum Wire
Coverage Area(%)	40
Jacket	White FR-PVC
Nom. Thickness(in/mm)	0.76
Min. Thickness(in/mm)	0.61
Cable Dia.(in/mm)	7.54
Two RG6/U-BC with "8"	
Packing	Pull Box
Length(ft/m)	500/152.5
Gross Weight(lbs/kg)	35.82/16.25

Performance

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

Frequency (MHz)	Attenuation (dB/100m)	Attenuation (dB/100m)
5	0.52	1.70
10	0.72	2.33
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
Impedence (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)	12.75
Velocity Of Propagation (%)	85

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