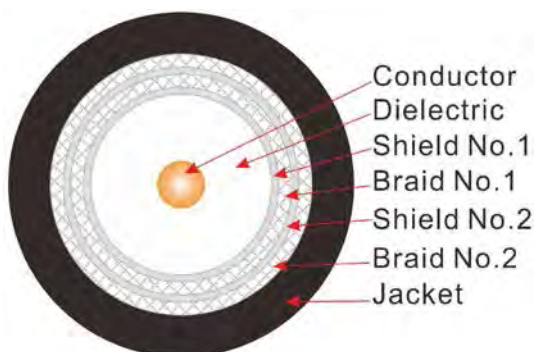


SCP Part Number: RG6/UQ-BC-BK

REV.A

Cross Section



Description

RG6/U QUAD SHIELD 3.0 GHz 18 AWG BC, 60%/40% AL BRAID- 1000 FT BOX - BLACK

Marking

STRUCTURED CABLE PRODUCTS Exxxxx (UL) OR C(UL) CM 18 AWG BC 75C MM/YY -- P/N: RG6/UQ-BC -- RG6/U QUAD SHIELD 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 xxxxFEET

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)	0.0180/4.57
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	Black FR-PVC
Nom. Thickness(in/mm)	0.030/0.76
Min. Thickness(in/mm)	0.024/0.61
Cable Dia.(in/mm)	0.297/7.54
Packing	Pull box
Length(ft/m)	1000/305
Gross Weight(lbs/kg)	35.49/16.1

Performance

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

Frequency (MHz)	Attenuation (dB/100ft)	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
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)	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

Rev Date: 05/2013