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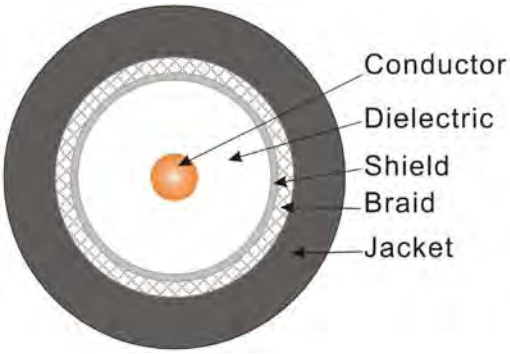
SCP Part Number: RG6/U-BC-BK

REV.A

Cross Section



Description

RG6/U CATV 3.0 GHz 18 AWG BC 60% AL BRAID-BLACK - 1000 FT BOX

Marking

STRUCTURED CABLE PRODUCTS Exxxxxx (UL) OR C(UL) CM 18 AWG BC 75C MM/YY -- P/N: RG6/U-BC -- RG6/U COAX 3.0GHz CATV 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:	**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
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)	0.272/6.91
Packing	**Pull Box**
Length(ft/m)	1000/305
Gross Weight(lbs/kg)	29.98/13.6

Performance

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

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)		19.98
Velocity Of Propagation (%)		85

Mechanical Characteristics:

Test Object:			Jacket
Test Material			
Before	Tensile strength	(psi)	2000
Aging	Elongation	(%)	200
Aging Condition		(℃_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		(℃)	-20~75

Standards

UL, CE, RoHS

Rev Date: 05/2013