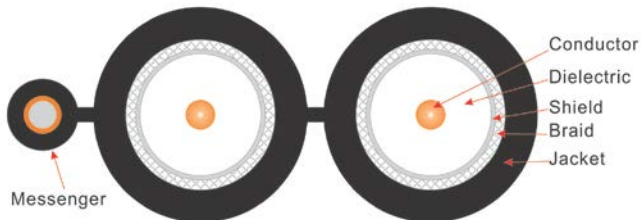


SCP PART # RG6/U-S-BC-MES

REV.A

Cross Section



Description

RG6/U COAX CCTV SIAMESE 3.0GHz, 18 AWG BC, 60% AL BRAID W/MESSENGER- BLACK- 500 FT SPOOL

Marking

STRUCTURED CABLE PRODUCTS E245362 (UL) OR C(UL) CM 18 AWG BC 75C MM/YY -- P/N: RG6/U-S-BC -- RG6/U DUAL COAX 3.0GHz CATV 60% AL BRAID WITH MESSENGER CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 xxxx FEET

Construction

SINGLE RG6/U-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)	0.180/4.57
Shield	Bonded Aluminum foil
Coverage area (%)	100
Braid Shield	Aluminum Wire
Coverage Area(%)	60
Messenger	Copper clad steel
Dia.(in/mm)	0.044/1.13
Jacket	Black FR-PVC
	Two RG6/U-BC & Messenger, parallel
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)	500/152.5
Gross weight(lbs/kg)	33.7/15.3

Performance

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

Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)
5	0.58	1.87
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 1001~3000MHz
Capacitance (pF/ft)	16.2
Conductor DCR@ 20°C (ohms/kft)	6.56
DC Loop Resistance@ 20°C (ohms/kft)	19.98
Velocity Of Propagation (%)	85

Mechanical Characteristics:

Test Object:			Jacket
Test Material			
Before	Tensile strength	(Mpa)	13.8
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		(N)	378
Operating Temperature Range(℃)			-20~75

Standards

UL, CE, RoHS