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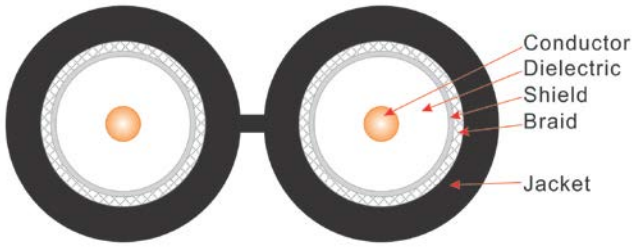
RG6/U-S-BC-SPL

REV.A

Cross Section



Description

RG6/U SIAMESE DUAL COAX CATV 18 AWG BC 60% AL BRAID- 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 CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 xxxxFEET

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)	0.0180/4.57
The First Shield	**Bonded Aluminum Foil**
Coverage Area (%)	100
The First 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

Two RG6/U-BC with "8"

Packing	**Reel In Box**
Length(ft/m)	500/152.5
Gross Weight(lbs/kg)	32.8/14.9

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