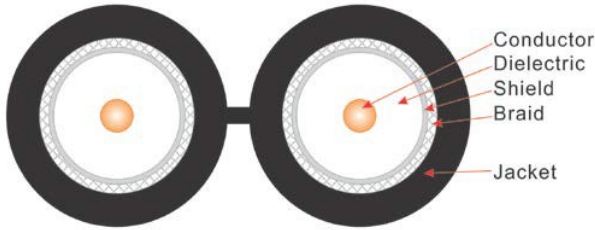




RG6/U-S-BC-BK

REV.A

Cross Section



Description

HDTV CABLE, RG6/U DAUL ,18 AWG BC, 75OHMS, 3.0GHZ,

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°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)	19.98
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