



# Structured Cable Products™

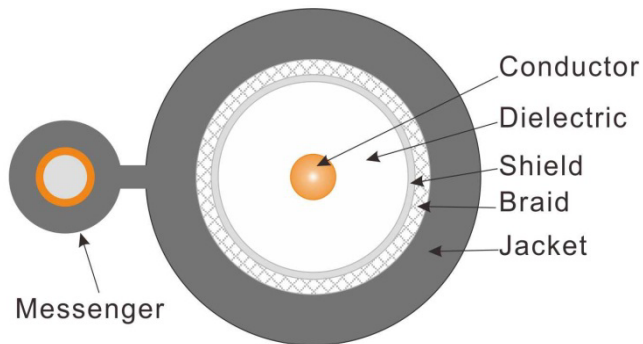
Quality Installations Deserve Quality Products

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## RG6/U-BC-MES

REV.A

### Cross Section



### Description

CATV CABLE, RG6/U 3.0GHz 18 AWG BC 60% AL BRAID W/MESSENGER - BLACK

### Marking

SCP E245362 (UL) OR c(UL) CM 18 AWG BC 75C MM/YY  
 RG6/U 3.0GHz CATV WITH MESSENGER CE EU RoHS  
 ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 xxxxFEET

### Construction

<b>Center Conductor:</b>	<b>Bare Copper</b>
Size	18AWG
Dia.(in/mm)	0.0403/1.02
<b>Insulate</b>	<b>Skin Foam PE</b>
Nom. Thickness(in/mm)	0.070/1.78
Insulation Dia.(in/mm)	0.180/4.57
<b>Shield</b>	<b>Bonded Aluminum foil</b>
Coverage area (%)	100
<b>Braid Shield</b>	<b>Aluminum Wire</b>
Coverage Area(%)	60
<b>Jacket</b>	<b>Black FR-PVC</b>
Nom. Thickness(in/mm)	0.030/0.76
Min. Thickness(in/mm)	0.024/0.61
Cable Dia.(in/mm)	0.272/6.91
<b>Messenger</b>	<b>Copper clad steel</b>
Dia.(in/mm)	0.044/1.13
<b>Packing</b>	<b>Reel in box</b>
Length(ft/m)	500/152.5
Gross weight(lbs/kg)	23.6/10.7

### 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 >=20 1001~3000MHz >=15
Capacitance (pF/ft)	16.2
Conductor DCR@ 20°C (ohms/kft)	6.56
DC Loop Resistance@ 20°C (ohms/kft)	6.1
Velocity Of Propagation (%)	85

#### Mechanical Characteristics:

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

### Standards

UL, CE, RoHS