



SCP Part Number: **RG6/U-CCS-BK-5**

REV.A

Cross Section

Description

RG6/U CATV 3.0 GHz 18 AWG CCS 60% AL BRAID- BLACK - 500 FT BOX

Marking

STRUCTURED CABLE PRODUCTS EXXXXXX (UL) OR C(UL)
CM 18 AWG CCS 75C MM/YY -- P/N: RG6/U-CCS -- RG6/U
COAX 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 xxxFEET

Construction

Center Conductor:	Copper Clad Steel
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)	500/152.5
Gross Weight(lbs/kg)	15.65/7.10

Performance

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

Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)
5	0.79	2.57
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)		31
DC Loop Resistance@ 20°C (ohms/kft)		45.45
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