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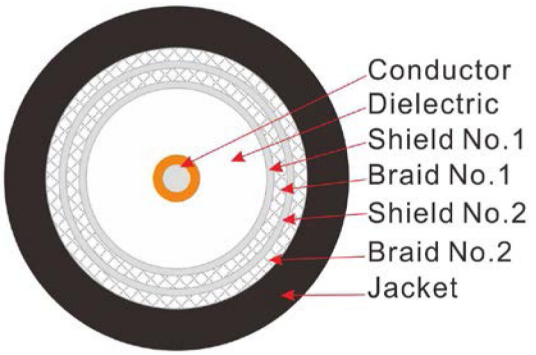
RG6/U QUAD

REV.A

Cross Section



Description

HDTV CABLE, RG6/U QUAD SHIELD 18 AWG CCS, 75OHMS, 3.0GHz,

Marking

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
The First Shield	**Bonded Aluminum Foil**
Coverage Area (%)	100
The First Braid Shield	**Aluminum Wire**
Coverage Area(%)	60
The second Shield	**Aluminum Foil**
Coverage Area(%)	100
the Second Braid Shield	**Aluminum Wire**
Coverage Area(%)	40
Jacket	**FR-PVC, Black or White**
Nom. Thickness(in/mm)	0.030/0.76
Min. Thickness(in/mm)	0.024/0.61
Cable Dia.(in/mm)	0.297/7.54
Packing	**Pull box or Wooden spool**
Length(ft/m)	1000/305
Net Weight(lbs/kg)	30.9/14.0

Performance

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

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	6.56	21.49
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)		31
DC Loop Resistance@ 20°C (ohms/kft)		38.52
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