

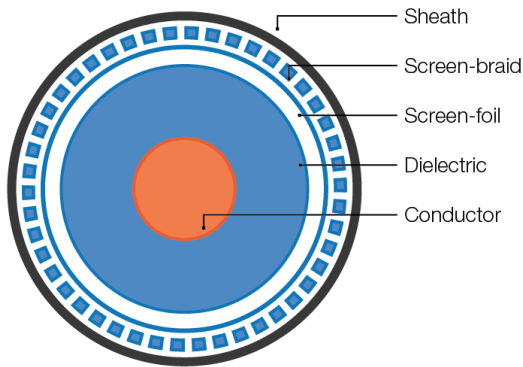
Hyperline Cabling Systems

Specs for Coax Cable RG 6 Copper Clad Steel Riser 60% Braided

Part no. COAX-RG6-CMR-XX-DD-305



Specifications



Toll Free: +1-866-634-9737



Toll Free: +1-888-497-3748

www.hyperline.com | info@hyperline.com

2212 Gladwin Crescent, Unit C7, Ottawa, Ontario, K1B 5N1, Canada

Construction characteristic features

Item	Specification <input type="checkbox"/> Design	Diameter (mm)
Conductor	Material:Bare copper covered steel	1.02±0.02
	Single Diameter:1.02	
	Composing:1/1.02	
Insulation	Material:Foam polyethylene	4.57±0.10
	Nominal thickness:1.77mm	
Shield 1	Material:AL/PET bonded	5.35±0.20
	Braid:Aluminum wire	
	Structure: 16*4*0.16mm±0.008	
	Coverage braid:60%±2	
Jacket	Material:FR-PVC	6.86±0.20
	Color:Black or White	
	Nominal thickness:0.75mm	
Packaging	Per customer's request.	
Jacket marking: HYPERLINE COAX-RG6-CMR-BK 4003289 c(ETL)us CMR FT4 —RG6 18AWG SWEPT TO 3.0 GHZ RoHS COMPLIANT LOT NUMBER WW/YY XXXXXFT		



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Electrical characteristics

Electrical Performance (20°C)

Item	Parameter	Note
Inner Conductor DC resistance	$\leq 102\Omega/\text{km}$	
Outer Conductor DC resistance	$\leq 68\Omega/\text{km}$	
Insulation resistance	$\geq 500\Omega/\text{km}$	
Capacity	$52\pm 3\text{pF/m}$	
Characteristic Impedance 200MHz	$75\pm 3\Omega$	
Attenuation dB/100m	Frequency	Nom.
	55MHz	5.40
	211MHz	10.30
	270MHz	11.54
	300MHz	11.95
	330MHz	12.67
	400MHz	14.01
	450MHz	14.83
	550MHz	16.58
	750MHz	19.06
	870MHz	20.60
	1000MHz	22.66
	1450MHz	27.60
	1750MHz	31.00
	2250MHz	35.43
3000MHz	41.61	
Return Loss	5~470MHz	$\geq 23\text{dB}$
	470~1000MHz	$\geq 20\text{dB}$
	1000~2400MHz	$\geq 15\text{dB}$
	2400~3000MHz	$\geq 12\text{dB}$

Maximum attenuation is 5% higher Nonimal attenuation

Ordering



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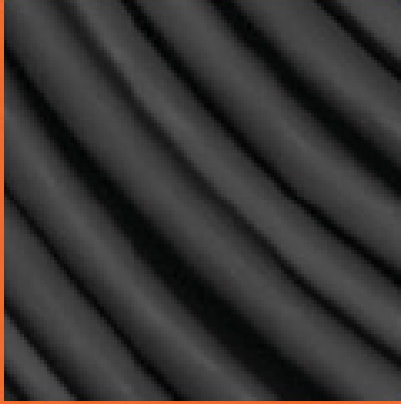
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Available in:

XX = White, Black



BK



WH

Available in:

YY = 305M



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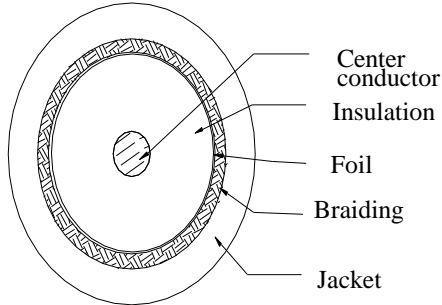


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RG-6/U 60% CATV 75Ω Coaxial Cable



Description

RG-6/U 60% CMR CATV 75 Ω Coaxial Cable

Applicable Standards

Reference Standard

SCTE IPS-SP-001 UL 1655, UL 13, UL 444, ROHS

Physical Characteristics

Conductor		Solid	Copper Clad Steel
AWG			18
Diameter	(inches)		0.04
Insulation			Foam Polyethylene
Nom. Thickness	(inches)		0.073
Insulation Diameter	(inches)		0.186
Braid Shield			Aluminum Wire
Coverage Area	(%)		60
Braid Diameter	(inches)		0.213
Jacket			PVC
Cable Diameter	(inches)		0.2716
Nom. Thickness	(inches)		0.0295
Nominal Weight	500'		16 lbs.
	1,000' (Pullbox & Reel)		30 lbs.

Cable Marking

RG6/U 18AWG CMR FT4 XXXXXX VERIFIED TO C(ETL)US CATV
SWEPT TO 3.0 GHZ ****FT

Electrical Performance

Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)
5	2.66	550	16.70
55	5.25	600	17.52
211	10.10	750	19.69
250	11.02	870	21.33
270	11.48	1000	22.97
300	12.14	1250	25.00
350	13.15	1450	26.37
400	14.11	2200	31.16
450	15.03	2400	32.83
500	15.88	3000	37.88

Electrical Characteristics

Temperature Rating	(°C)	-20 to 60
Impedance	(± 3.0 Ohms)	75
Capacitance	(pF/ft)	15.5
Conductor DCR@20° C	(ohms/1000ft)	28.6
Velocity of Propagation	(%)	84
ROHS Compliant		Yes

Part Numbers

Part Numbers	Color	Put-up	
RG6URBK1-500	Black	500'	Pullbox
RG6URBK1	Black	1,000'	Pullbox
RG6URBK2	Black	1,000'	Reel
RG6URWH1-500	White	500'	Pullbox
RG6URWH1	White	1,000'	Pullbox
RG6URWH2	White	1,000'	Reel