

RG-6 77% TRI-SHIELD, PVC JACKET, MESSENGER, 305M



Applications:

Transmission of RF signals and power for voice, data and video; Broadband, Cable Television (CATV), RF drop cable, Over-The-Air (OTA) antennas, HFC and Satellite Networks up to 3Ghz



General

Cable Type	Series 6	
Inner Conductor	Copper Clad Steel	
Dielectric	Foam PE	
Shield Construction	A/P/A Foil + 77% Al Braid + A/P/A Foil	
Al Foil Overlap	18%-35%	
Jacket Material	PVC	
Jacket Color	Black	
Messenger	Galvanized Steel	
Print	White ink, legible, cannot be wiped off by fingers	
Packing	Plastic caps on both ends. Film stretch wrapped, 305m per wooden reel	

Dimensions

Inner Conductor Diameter	1.02 mm	0.040 in
Foam Dielectric Diameter	4.55 mm	0.179 in
Al Braid Wire Diameter	0.16 mm	0.006 in
Diameter Over Jacket	7.06 mm	0.278 in
Jacket wall thickness	0.76 mm nominal	0.030 in
Reel	Flange Diameter	340 mm
	Hub Diameter	100 mm
	Traverse Width	310 mm

Mechanical

Operating Temperature	-20°C to + 60°C	
Jacket Shrinkage	5%, max.	
UV Resistance	UL 1581	
Conductor Break Strength	410N, min.	
Center Conductor Bond to Dielectric	12-25lbs	
Messenger Web Separation Force	1.5-3.5 lbs per SCTE 61	

Electrical

Impedance	75 ± 3 Ohms	
DC Resistance Inner Conductor	102 Ohms / km	31.1 Ohms / kft
DC Resistance Outer Conductor	17 Ohms / km	5.2 Ohms / kft
DC Resistance Loop	119 Ohms / km	36.2 Ohms / kft
Velocity of Propagation	83 %	
Jacket Spark Test Voltage (rms)	2500 V	
Return Loss	5-1000 MHz	20 dB
	1000-3000 MHz	15 dB

Attenuation @ 20 °C (68 °F)

Freq. (MHz)	dB/100m	dB/100ft	Freq. (MHz)	dB/100m	dB/100ft
5	1.90	0.58	550	16.08	4.90
55	5.25	1.60	600	16.73	5.10
211	10.00	3.05	750	18.54	5.65
250	10.82	3.30	870	20.04	6.11
270	11.04	3.37	1000	21.49	6.55
300	11.64	3.55	1200	23.65	7.21
330	12.26	3.74	1450	25.79	7.86
350	12.63	3.85	1750	28.71	8.75
400	13.61	4.15	2000	31.17	9.50
450	14.43	4.40	2200	32.83	10.01
500	15.29	4.66	3000	38.91	11.86

Compliance

Applicable	RoHS2.0
UL Compliance	CM
Warranty	3 years



Proprietary information of SIGHTES TECHNOLOGY that may not be reproduced, disclosed or used for any purpose except under the authorized written consent of SIGHTES TECHNOLOGY and may be recalled at any time. Copyright 2022 SIGHTES TECHNOLOGY. All Rights Reserved May 30 2022