



### RG-6 90% DUAL-SHIELD, LSZH JACKET, 305M

#### General

Cable Type	Series 6	
Inner Conductor	Copper Clad Steel	
Dielectric	Foam PE	
Shield Construction	A/P Foil + 90% Al Braid	
Al Foil Overlap	18%-35%	
Jacket Material	LSZH	
Jacket Color	Black	
Print	White/Black ink, legible, cannot be wiped off by fingers	
Packing	Plastic caps on both ends. Film stretch wrapped, 305m per wooden reel, 36 reels per pallet	

#### 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	6.86 mm	0.270 in
Jacket wall thickness	0.80 mm nominal	0.031 in
Reel	Flange Diameter	300 mm
	Hub Diameter	100 mm
	Traverse Width	300 mm

#### Mechanical

Operating Temperature	-40°C to + 70°C	
Jacket Shrinkage	5%, max.	
UV Resistance	UL 1581	
Conductor Break Strength	410N, min.	
Center Conductor Bond to Dielectric	12-25lbs	

#### Electrical

Impedance	75 ± 3 Ohms	
DC Resistance Inner Conductor	102 Ohms / km	31.1 Ohms / kft
DC Resistance Loop	124 Ohms / km	37.8 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	2.60	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
Reaction to Fire	IEC 60332-1-2 EN 50575:2014+A1:2016   EN 13501-6(Eca)
Warranty	3 years

#### 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



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