



Technical Specifications

Product Line: INTERFLEX

Description

20 AWG solid core dual shielded RG59 serial digital coaxial cable

Non listed for interconnect manufacture. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC articles 725, 800 and 820.

Conductor

20 AWG

Solid annealed bare copper conductor

Diameter: 0.032" | 0.81mm

Insulation

Foam polyethylene

Wall thickness: 0.057" | 1.45mm

Diameter: 0.144" | 3.66mm

Color Code

Natural

Assembly

N/A

Construct

N/A

Shield

100% aluminum/poly tape with 25% overlap

95% 16x9/36 AWG tinned copper braid shield

Jacket

Translucent polyvinyl chloride

Colors: Black, Blue, Clear, Green, Orange, Red, White, Yellow

Wall thickness: 0.032" | .81mm

Diameter: 0.236" | 6.00mm

Electrical

DC resistance: 10.5 Ω / 1000' | 34.4 Ω /KM

Capacitance: 16.2 pF/FT | 53.14 pF/M

Impedance: 75 \pm 3 Ω

Velocity of Propagation: 82%

Voltage rating: 300V

SRL 1-450 MHz: -26dB

SRL 451-850 MHz: -23dB

SRL 851-3.0 GHz: -18dB

Regulatory

EU RoHS 2002/95/EC Compliant

Packages

Reel: 328' | 100M

Reel: 1000' | 305M

Weight: 31 Lbs/1000' | 47 Kg/KM

Installation

Pull Tension: 37 Lbs | 165 N

Bend radius: 2.36" | 60mm unloaded

Bend radius: 4.72" | 120mm loaded

Applications

Serial Digital Video (SMPTE)

CATV and DBS modulated video

Baseband video signals

Digital audio unbalanced formats

Performance

3G HDS DI to 213 feet

CATV to 102 feet

CCTV to 449 feet

S/PDIF digital audio 420 feet

Final Outside Diameter (inches)

0.236

Specification Revision Date:

March 7, 2006





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Interflex RG59 Coaxial Sweep to 4.5 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
1	0.27	0.89
3.58	0.51	1.67
10	0.86	2.82
71.5	2.00	6.56
135	2.75	9.02
270	3.81	12.50
360	4.44	14.56
720	6.36	20.86
1000	7.59	24.90
1200	8.31	27.26
1450	9.26	30.37
1800	10.38	34.05
2500	12.42	40.74
3000	13.60	44.61
3500	14.70	48.22
4000	15.81	51.86
4500	16.92	55.50

