



Technical Specifications

Product Line: 23-MINI-CMP

Description

23 AWG solid core dual shielded mini-RG59 serial digital coaxial cable
NEC type CMP and CEC type CMP FT6. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC articles 725, 800 and 820.

Conductor

23 AWG
Solid annealed bare copper conductors
Diameter: 0.023" | 0.57mm

Electrical

Conductor DCR: 20.7 Ω / 1000' | 67.90 Ω /KM
Shield DCR: 7.6 Ω / 1000' | 24.93 Ω /KM
Capacitance: 16.4 pF/FT | 53.79 pF/M
Impedance: 75 \pm 3 Ω
Velocity of Propagation: 83%
Voltage rating: 300V
SRL 5-450 MHz: -23dB
SRL 451-3000 MHz: -15dB

Insulation

Foam fluorinated ethylene propylene
Wall thickness: 0.039" | 1.00mm
Diameter: 0.101" | 2.56mm

Regulatory

NEC: CMP 60°C
CEC: CMP FT6 60°C
EU RoHS 2002/95/EC Compliant

Color Code

Natural

Packages

Reel: 1000' | 305M
Weight: 19 Lbs/1000' | 29 Kg/KM

Assembly

N/A

Installation

Pull Tension: 36 Lbs | 160 N
Bend radius: 1.59" | 41mm unloaded
Bend radius: 3.18" | 82mm loaded
Plenum cable should be conditioned at room temperature for 24 hours prior to installation and never installed below 32°F | 0°C ambient temperature

Construct

N/A

Applications

Plenum Serial Digital Video (SMPTE)
Plenum CATV and DBS modulated video
Plenum baseband video signals
Plenum digital audio unbalanced formats

Shield

100% aluminum/poly tape
96% 16x7/36 AWG tinned copper braid shield

Performance

3G HDSDI to 139 feet
CATV to 73 feet
CCTV to 297 feet
S/PDIF digital audio 297 feet

Jacket

Plenum rated polyvinyl chloride
Colors: Black, White
Wall thickness: 0.016" | 0.40mm
Diameter: 0.159" | 4.04mm

Final Outside Diameter (inches)

0.159

Specification Revision Date:

March 8, 2007





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Mini RG59 Coaxial Sweep to 1.0 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
1	0.33	1.08
3.58	0.64	2.10
10	1.07	3.51
71.5	3.00	9.84
135	4.30	14.10
270	6.08	19.94
360	7.02	23.03
720	10.62	34.83
1000	12.83	42.08
1200	14.05	46.08
1450	16.61	54.48
1800	18.50	60.68
2500	23.00	75.44
3000	25.19	82.62
3500	27.21	89.25
4000	30.91	101.38
4500	32.79	107.55

