



Technical Specifications

Product Line: RG58-CMR

Description

19 AWG solid core bare copper dual shielded RG58 coaxial cable
NEC type CMR and CEC type CMG FT4. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC articles 725, 800 and 820.

Conductor

19 AWG
Solid annealed bare copper conductors
Diameter: 0.037" | 0.94mm

Insulation

Foam polyethylene
Wall thickness: 0.039" | 0.98mm
Diameter: 0.110" | 2.79mm

Color Code

Natural

Assembly

N/A

Construct

N/A

Shield

100% aluminum/poly
90% 16x6/36 AWG tinned copper braid shield

Jacket

Flame retardant polyvinyl chloride
Colors: Black
Wall thickness: 0.028" | 0.71mm
Diameter: 0.195" | 4.95mm

Specification Revision Date:

Electrical

DC resistance: 7.60 Ω / 1000' | 24.93 Ω /KM
Shield DCR: 4.90 Ω / 1000' | 16.07 Ω /KM
Mutual capacitance: 24.3 pF/FT | 79.7 pF/M
Impedance: 50 \pm 2 Ω
Velocity of Propagation: 80%
Voltage rating: 300V
SRL 30-2500 MHz: -15dB

Regulatory

NEC: CMR 75°C
CEC: CMR FT4 60°C
EU RoHS 2002/95/EC Compliant

Packages

Reel: 1000' | 305M
Weight: 28 Lbs/1000' | 42 Kg/KM

Installation

Pull Tension: 40 Lbs | 177 N
Bend radius: 1.95" | 50mm unloaded
Bend radius: 3.90" | 100mm loaded

Applications

Riser Wireless Broadcast systems for RF195 sized cables
Riser Antenna pigtails, Inventory control systems
Riser Microwave, wireless microphones

Performance

N/A

Final Outside Diameter (inches)

0.195

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RG58 Coaxial Sweep to 2.5 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
30	2.00	6.56
50	2.60	8.53
150	4.40	14.43
220	5.40	17.71
450	7.80	25.58
900	11.10	36.41
1500	14.50	47.56
1800	16.00	52.48
2000	16.90	55.43
2500	19.00	62.32

