



Technical Specifications

Product Line: RG58-CMP

Description	
19 AWG solid core bare copper dual shielded RG58 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	Electrical
19 AWG Solid annealed bare copper conductor Diameter: 0.036" 0.92mm	DC resistance: 7.60 Ω / 1000' 24.93 Ω /KM Shield DCR: 5.36 Ω / 1000' 17.58 Ω /KM Mutual capacitance: 27.0 pF/FT 88.56 pF/M Impedance: 50 \pm 2 Ω Velocity of Propagation: 82% Voltage rating: 300V SRL 30-2500 MHz: -15dB
Insulation	Regulatory
Foam fluorinated ethylene propylene Wall thickness: 0.036" 0.93mm Diameter: 0.108" 2.74mm	NEC: CMP 75°C CEC: CMP FT6 60°C EU RoHS 2002/95/EC Compliant
Color Code	Packages
Natural	Reel: 1000' 305M Weight: 27 Lbs/1000' 41 Kg/KM
Assembly	Installation
N/A	Pull Tension: 40 Lbs 177 N Bend radius: 1.68" 43mm unloaded Bend radius: 3.36" 86mm 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	Applications
N/A	Plenum Wireless Broadcast systems for RF195 sized cables Plenum Antenna pigtails, Inventory control systems Plenum Microwave, wireless microphones
Shield	Performance
100% aluminum/poly/aluminum 95% 16x6/36 AWG tinned copper braid shield	N/A
Jacket	Final Outside Diameter (inches)
Plenum rated polyvinyl chloride Colors: White Wall thickness: 0.016" 0.41mm Diameter: 0.168" 4.27mm	0.168
Specification Revision Date:	May 6, 2009





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RG58 Coaxial Sweep to 2.5 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
30	2.05	6.72
50	2.58	8.46
150	4.34	14.24
450	8.00	26.24
900	12.50	41.00
1800	19.60	64.29
2500	23.60	77.41

