

Product SKU: C3500.41.86
Product Description: C3500, Coaxial Cable, RG59/U Type, Plenum, 20 AWG Solid Copper Clad Steel, +95% Bare Copper Braid, Flexguard® PVC Jacket - Natural - 1000 ft Reel
Product Category: Electronics - Plenum Cable (available with rip cords - please contact customer service) - NEC Article 725, Article 800, Coaxial Cable - RG 59/U Type - Natural

**Product Construction:**

- Conductor:**
- 18 and 19 AWG, fully annealed, solid bare copper per ASTM B-3; 20 AWG fully annealed, stranded, tinned copper per ASTM B-33
 - Copper clad steel per ASTM B-869
- Insulation/Core:**
- Premium grade, cellular Fluoropolymer
- Shield:**
- Bare copper braid
- Jacket:**
- Flexguard® PVC, Natural

Product Specification:

- No. of Conductors:**
- 1
- Conductor Size (AWG):**
- 20
- Jacket Color:**
- Natural
- Insulation Material (in):**
- Cellular Fluoropolymer 0.145
- Insulation Material (mm):**
- Cellular Fluoropolymer 3.68
- Shield Coverage Nominal Shield DCR:**
- 95% Bare Copper Braid 1.9 Ohm/M
- Nominal Outside Diameter (in):**
- 0.201
- Nominal Outside Diameter (mm):**
- 5.11

Nominal Capacitance (pF/ft): • 16.50

Nominal Capacitance (pF/m): • 54.14

Velocity of Propagation %: • 82

Nominal Impedance Ohm: • 75

Nominal Attenuation MHz/dB
per 100 ft:

- 200/4.10
- 1/0.78
- 10/1.90
- 50/1.98
- 100/2.80
- 500/6.82
- 1000/9.64

Standard Packaging: • 1000' Non-returnable Wood Reels

Standard Package Quantity: • 1

ColorOption: • Black

Product Information:

- Applications:
- CCTV and MATV
 - Local Area Network (LAN)
 - Programmable Logic Controllers (PLCs)
 - Suggested voltage rating: 150 Volts
 - Suitable for RF signal transmission
 - Video Display Terminals (VDT)

- Compliances:
- Designed to Meet NFPA 262 Flame Test
 - NEC Article 725 (UL: 60°C, 150V)
 - NEC Article 800 (UL: 60°C, 300V)

Packaging:

- 1000' (305 m) Reels
- Other put-ups available- consult Customer Service

Technical Specifications

Unit Conversion Factors

Cable Design Equations - Balanced Pair

Insulation and Jacket Properties

Temperature Conversion Chart

Decimal and Unit Conversion Factors

Cable Design Equations - Braid Shield

AWG Conductor Chart

Conduit Capacity Chart

Cable Design Equations - Coaxial Cable

Engineering Prefixes

Coax Connector Cross Reference

Glossary



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