

**Product SKU:** C3521.41.86  
**Product Description:** C3521, Coaxial Cable, RG6/U Type, Plenum, 18 AWG Solid Bare Copper, 100% Flexfoil® +95% Tinned 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 6/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
  - 14, 18, 20 & 22 AWG solid copper clad steel per ASTM B-869
- Insulation/Core:**
- Premium grade, cellular Fluoropolymer
- Shield:**
- Flexfoil® shield
  - Tinned copper braid
- Jacket:**
- Flexguard® PVC, Natural
  - Temperature Range: 0°C to +60°C

**Product Specification:**

- No. of Conductors:**
- 1
- Conductor Size (AWG):**
- 18
- Jacket Color:**
- Natural
- Insulation Material (in):**
- Cellular Fluoropolymer 0.170
- Insulation Material (mm):**
- Cellular Fluoropolymer 4.318
- Shield Coverage Nominal Shield DCR:**
- 100% Flexfoil® +95% Tinned Copper Braid 2.3 Ohm/M

Nominal Outside Diameter (in):	• 0.233
Nominal Outside Diameter (mm):	• 5.92
Nominal Capacitance (pF/ft):	• 16.00
Nominal Capacitance (pF/m):	• 52.50
Velocity of Propagation %:	• 86
Nominal Impedance Ohm:	• 75
Core Outside Diameter (in):	• 0.170
Core Outside Diameter (mm):	• 4.32
Nominal Attenuation MHz/dB per 100 ft:	<ul style="list-style-type: none"> <li>• 1/0.30</li> <li>• 10/0.66</li> <li>• 50/1.50</li> <li>• 100/2.10</li> <li>• 200/3.10</li> <li>• 500/5.00</li> <li>• 1000/7.30</li> </ul>
Standard Packaging:	• 1000' Non-returnable Wood Reels
Standard Package Quantity:	• 1
UPC #:	• 079407750054
Put-up:	• 1000
SCC-14:	• 50079407750055
Cube:	• 1748.82813
Weight Per Unit of Measure:	• .0416

ColorOption:

- Natural

## **Product Information:**

Applications:

- CCTV and MATV
- Local Area Networks (LANs)
- Programmable Logic Controllers (PLCs)
- RF signal transmission
- Suggested voltage rating: 150 Volts
- 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 foot (305 m) Pull-Pac ® Cartons
- 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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