

Product SKU: C1178.21.01
Product Description: C1178, Coaxial Cable, RG58/U Type, 20 AWG (19X.0071) Tinned Copper, 95% Tinned Copper Braid, PVC Jacket - Black - 1000 Ft. Spool
Product Category: Electronics - Coaxial Cable - RG 58/U Type - Black

**Product Construction:**

- Conductor:
 - Tinned copper per ASTM B-33
- Insulation/Core:
 - Solid polyethylene
- Shield:
 - Tinned copper braid
- Jacket:
 - Premium PVC compound

Product Specification:

- No. of Conductors:
 - 1
- Conductor Size (AWG):
 - 20
- No. of Pairs:
 - 1
- Jacket Color:
 - Black
- Insulation Material (in):
 - Solid Polyethylene 0.116
- Insulation Material (mm):
 - Solid Polyethylene 2.95
- Shield Coverage Nominal Shield DCR:
 - 95% Tinned Copper Braid 4.3 Ohm/M
- Nominal Outside Diameter (in):
 - 0.195
- Nominal Outside Diameter (mm):
 - 4.95

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|---|------------------|
| Nominal Capacitance (pF/ft): | • 31.80 |
| Nominal Capacitance (pF/m): | • 104.34 |
| Velocity of Propagation %: | • 66 |
| Nominal Impedance Ohm: | • 50 |
| Nominal Attenuation MHz/dB per 100 ft: | • 1/0.42 |
| | • 10/1.50 |
| | • 50/3.70 |
| | • 100/5.40 |
| | • 200/8.10 |
| | • 1000/22.80 |
| | • 500/13.96 |
| Standard Packaging: | • 1000' Spool |
| Standard Package Quantity: | • 1 |
| UPC #: | • 079407740604 |
| Footnote: | • RG58A/U Type |
| Put-up: | • 1000 |
| SCC-14: | • 50079407740600 |
| Cube: | • 1283.04 |
| Weight Per Unit of Measure: | • .03 |
| ColorOption: | • Black |

Product Information:

- | | |
|---------------|---------------------------------------|
| Applications: | • Broadcast |
| | • Suitable for RF signal transmission |

Compliances:

- JAN-C-17A Type
- UL Style 1354 (UL:80°C,30V)

Packaging:

- 1000 foot (305 m) Pull-Pac [®] Cartons
- 1000' (305 m) Spools
- 500' (152 m) Spools
- 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

