

Product SKU: C1166.18.01
Product Description: C1166, Coaxial Cable, RG58/U Type, 20 AWG Solid Bare Copper, 95% Tinned Copper Braid, PVC Jacket - Black - 500 Ft. Spool
Product Category: Electronics - Coaxial Cable - RG 58/U Type - Black

**Product Construction:**

- Conductor:
- Copper per ASTM B-3
- 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

Nominal Capacitance (pF/ft):	<ul style="list-style-type: none"> • 30.00
Nominal Capacitance (pF/m):	<ul style="list-style-type: none"> • 98.43
Velocity of Propagation %:	<ul style="list-style-type: none"> • 66
Nominal Impedance Ohm:	<ul style="list-style-type: none"> • 50
Nominal Attenuation MHz/dB per 100 ft:	<ul style="list-style-type: none"> • 1/0.40 • 10/1.20 • 50/2.90 • 100/4.20 • 200/6.00 • 500/10.17 • 1000/16.50
Standard Packaging:	<ul style="list-style-type: none"> • 500' Spool
Standard Package Quantity:	<ul style="list-style-type: none"> • 1
UPC #:	<ul style="list-style-type: none"> • 079407740505
Put-up:	<ul style="list-style-type: none"> • 500
SCC-14:	<ul style="list-style-type: none"> • 50079407740500
Cube:	<ul style="list-style-type: none"> • 835.812
Weight Per Unit of Measure:	<ul style="list-style-type: none"> • .03
ColorOption:	<ul style="list-style-type: none"> • Black

Product Information:

Applications:	<ul style="list-style-type: none"> • Broadcast • Suitable for RF signal transmission
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Compliances:

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

Packaging:

- 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

