



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



**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

Nominal Capacitance (pF/ft):	<ul style="list-style-type: none"> <li>• 31.80</li> </ul>
Nominal Capacitance (pF/m):	<ul style="list-style-type: none"> <li>• 104.34</li> </ul>
Velocity of Propagation %:	<ul style="list-style-type: none"> <li>• 66</li> </ul>
Nominal Impedance Ohm:	<ul style="list-style-type: none"> <li>• 50</li> </ul>
Nominal Attenuation MHz/dB per 100 ft:	<ul style="list-style-type: none"> <li>• 1/0.42</li> <li>• 10/1.50</li> <li>• 50/3.70</li> <li>• 100/5.40</li> <li>• 200/8.10</li> <li>• 1000/22.80</li> <li>• 500/13.96</li> </ul>
Standard Packaging:	<ul style="list-style-type: none"> <li>• 1000' Spool</li> </ul>
Standard Package Quantity:	<ul style="list-style-type: none"> <li>• 1</li> </ul>
UPC #:	<ul style="list-style-type: none"> <li>• 079407740604</li> </ul>
Footnote:	<ul style="list-style-type: none"> <li>• RG58A/U Type</li> </ul>
Put-up:	<ul style="list-style-type: none"> <li>• 1000</li> </ul>
SCC-14:	<ul style="list-style-type: none"> <li>• 50079407740600</li> </ul>
Cube:	<ul style="list-style-type: none"> <li>• 1283.04</li> </ul>
Weight Per Unit of Measure:	<ul style="list-style-type: none"> <li>• .03</li> </ul>
ColorOption:	<ul style="list-style-type: none"> <li>• Black</li> </ul>

**Product Information:**

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

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

Packaging:

- 1000 foot (305 m) Pull-Pac <sup>®</sup> 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

