




Product: [83264](#) 

Mil-Spec Coax, 75 Ohm, RG-179, 30 AWG Str SCCS, 95% SC Braid, FEP Jkt, Commercial Non-QPL

Product Description

Mil-Spec Coax, 75 Ohm, RG-179, 30 AWG (7x38) Silvered Copper Covered Steel Conductor, PTFE Insulation, 95% Silvered Copper Braid Shield, FEP Jacket, Commercial, non-QPL

Technical Specifications

Product Overview

|                        |                         |
|------------------------|-------------------------|
| Suitable Applications: | Aerospace, analog video |
|------------------------|-------------------------|

Construction Details

|          |     |
|----------|-----|
| RG Type: | 179 |
|----------|-----|

Conductor

| AWG | Stranding | Nom. Diameter | Material                             |
|-----|-----------|---------------|--------------------------------------|
| 30  | 7x38      | 0.012 in      | SCCS - Silvered Copper Covered Steel |

Insulation

| Material                       | Nom. Diameter |
|--------------------------------|---------------|
| PTFE - Polytetrafluoroethylene | 0.063 in      |

Outer Shield

| Layer | Outer Shield Type | Material             | Coverage |
|-------|-------------------|----------------------|----------|
| 1     | Braid             | Silvered Copper (SC) | 95%      |

Outer Jacket

| Material                             | Nom. Diameter |
|--------------------------------------|---------------|
| FEP - Fluorinated Ethylene Propylene | 0.100 in      |

Electrical Characteristics

Attenuation

| Frequency | Nom. Attenuation [dB/100ft] |
|-----------|-----------------------------|
| 1 MHz     | 3.0 dB/100ft                |
| 10 MHz    | 5.3 dB/100ft                |
| 50 MHz    | 8.5 dB/100ft                |
| 100 MHz   | 10.0 dB/100ft               |
| 200 MHz   | 12.5 dB/100ft               |
| 400 MHz   | 16.0 dB/100ft               |
| 700 MHz   | 19.7 dB/100ft               |
| 900 MHz   | 22.3 dB/100ft               |
| 1000 MHz  | 24.0 dB/100ft               |

Power Rating

| Frequency [MHz] | Max. Power Rating [W] |
|-----------------|-----------------------|
| 50 MHz          | 1,250 W               |
| 100 MHz         | 865 W                 |

|           |       |
|-----------|-------|
| 200 MHz   | 599 W |
| 400 MHz   | 415 W |
| 700 MHz   | 308 W |
| 900 MHz   | 270 W |
| 1,000 MHz | 255 W |

Electricals

| Nom. Conductor DCR | Nom. Outer Shield DCR | Nom. Capacitance Cond-to-Shield | Nom. Characteristic Impedance | Nom. Velocity |
|--------------------|-----------------------|---------------------------------|-------------------------------|---------------|
| 232 Ohm/1000ft     | 8.5 Ohm/1000ft        | 19.5 pF/ft                      | 75 Ohm                        | 70%           |

Voltage

| Non-UL Voltage Rating |
|-----------------------|
| 900 V (Mil-Spec)      |

Mechanical Characteristics

Temperature

| Operating       |
|-----------------|
| -70°C to +200°C |

Bend Radius

| Installation Min. |
|-------------------|
| 1 in              |

|                    |               |
|--------------------|---------------|
| Bulk Cable Weight: | 10 lbs/1000ft |
| Max. Pull Tension: | 17 lbs        |

Standards and Compliance

|                                |  |
|--------------------------------|--|
| Environmental Suitability:     | Indoor/Outdoor, Indoor, Outdoor  |
| Sustainability:                | CA Prop 65   |
| Military Compliance:           | Commercial, non-QPL product (M17/94-RG179)   |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:               | China RoHS II (GB/T 26572-2011)  |

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.335 Revision Date: 05-26-2021 |
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