



Product: [9857](#)

Mil-Spec Coax, 125 Ohm, RG-63, 22 AWG Solid BCCS, 95% BC Braid, PVC Jkt, CMH, Commercial Non-QPL

Product Description

Mil-Spec Coax, 125 Ohm, RG-63, 22 AWG Solid Bare Copper Covered Steel Conductor, PE Insulation, 95% Bare Copper Braid Shield, PVC Jacket (Non-Contaminating), CMH, Commercial, non-QPL

Technical Specifications

Product Overview

Suitable Applications:	Data transmission
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Construction Details

RG Type:	63
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Conductor

AWG	Stranding	Nom. Diameter	Material
22	Solid	0.025 in	BCCS - Bare Copper Covered Steel

Insulation

Material	Nom. Diameter	Notes
PE - Polyethylene (Semi-Solid)	0.285 in	Solid PE monofilament spiral around conductor. Solid PE tube over monofilament

Outer Shield Material

Outer Shield Type	Material	Coverage
Braid	Bare Copper (BC)	95%

Outer Jacket Material

Material	Nom. Diameter
PVC - Polyvinyl Chloride (Non-Contaminating)	0.405 in

Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation [dB/100ft]
1 MHz	0.2 dB/100ft
10 MHz	0.5 dB/100ft
50 MHz	1.1 dB/100ft
100 MHz	1.5 dB/100ft
200 MHz	2.3 dB/100ft
400 MHz	3.4 dB/100ft
700 MHz	4.6 dB/100ft
900 MHz	5.5 dB/100ft
1000 MHz	5.8 dB/100ft

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Impedence	Nom. Velocity
40.5 Ohm/1000ft	1.2 Ohm/1000ft	9.7 pF/ft	125 Ohm	84%

Voltage

UL Voltage Rating	Non-UL Voltage Rating
300 V (CMH)	750 V (Mil-Spec)

## Mechanical Characteristics

### Temperature

Operating
-40°C to +80°C

### Bend Radius

Installation Min.
4 in

Bulk Cable Weight:	84 lbs/1000ft
Max. Pull Tension:	119 lbs

## Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Sustainability:	CA Prop 65
NEC / UL Compliance:	CMH
Military Compliance:	Commercial, non-QPL product (M17/31-RG63)
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.328 Revision Date: 11-10-2020
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