



Product: [9008](#) 

COAX, 1C #13, Str, Polyethylene(PE), 3700 V RMS

Product Description

COAX, 1 Conductor 13 AWG (7/21) BC - Bare Copper, Polyethylene(PE) Insulation, Overall Bare Copper Shield, Black Type I PVC Outer Jacket

Technical Specifications

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	13 AWG	7x21	BC - Bare Copper

Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Conductor(s)	PE - Polyethylene	0.285 in (7.24 mm)	Clear

Outer Shield

Outer Shield Type	Material	Coverage
Braid	Bare Copper (BC)	94%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.405 in (10.3 mm)

Outer Jacket1 Table Notes:	Type I
Overall Cable Diameter (Nominal):	0.405 in (10.3 mm)

Electrical Characteristics

Electricals

Element	Max. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
Conductor(s)	1.9 Ohm/1000ft (6.2 Ohm/km)	1.3 Ohm/1000ft (4.3 Ohm/km)	29.5 pF/ft (96.8 pF/m)	52 Ohm	66%

Voltage

UL Voltage Rating	Voltage Rating
300 V (CMH), 150 V (CL2X)	3700 V (Mil-Spec)

Mechanical Characteristics

Temperature

Operating
-20°C To +60°C

Bend Radius

Stationary Min.
4.1 in (100 mm)

Max. Pull Tension:	46 lbs (21 kg)
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Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
CEC / C(UL) Compliance:	.
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Alpha Wire -* P/N 9008 1C 13 AWG RG 8/U ROHS
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History

Update and Revision:	Revision Number: 0.100 Revision Date: 05-18-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length
9008 BK005	Black	Reel	100 ft
9008 BK002	Black	Reel	500 ft
9008 BK001	Black	Reel	1,000 ft

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