



Product: [9217](#) 

COAX, 1C #10, Str, Polyethylene(PE), 5200 V RMS

Product Description

COAX, 1 Conductor 10 AWG (1/.106) BC - Bare Copper, Polyethylene(PE) Insulation, Overall Bare Copper Shield, Black Type IIA PVC Outer Jacket

Technical Specifications

Construction Details

RG Type:	217
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Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	10 AWG	Solid	BC - Bare Copper

Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Conductor(s)	PE - Polyethylene	0.370 in (9.40 mm)	Natural

Inner Shield

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

Outer Shield

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

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.545 in (13.8 mm)

Outer Jacket1 Table Notes:	Type IIA
Overall Cable Diameter (Nominal):	0.545 in (13.8 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)	0.9 Ohm/1000ft (3.0 Ohm/km)	0.8 Ohm/1000ft (2.6 Ohm/km)	30.8 pF/ft (101 pF/m)	50 Ohm	66%

Voltage

Voltage Rating
5200 V (Mil-Spec)

Mechanical Characteristics

Temperature

Operating
-20°C To +60°C

Bend Radius

Stationary Min.
5.5 in (140 mm)

Max. Pull Tension:	38 lbs (17 kg)
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Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
CEC / C(UL) Compliance:	.
Military Compliance:	MIL-C-17D
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Alpha Wire - * P/N 9217 1C 10 AWG RG 217/U ROHS
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History

Update and Revision:	Revision Number: 0.52 Revision Date: 05-18-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length
9217 BK005	Black	Reel	100 ft
9217 BK002	Black	Reel	500 ft
9217 BK001	Black	Reel	1,000 ft

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