



Product: [9059B](#) 

COAX, 1C , Sol, Polyethylene(PE), 1700 V RMS, CL2X 60C, CSA CMH, CSA FT1

Product Description

COAX, 1 Conductor 23 AWG (SOLID) BCW - Bare Copper Weld, Polyethylene(PE) Insulation, Overall Bare Copper Shield, Black Type IIA PVC Outer Jacket, CL2X 60C, CSA CMH, CSA FT1 CMH, FT1 UL FT1; CSA FT1

Technical Specifications

Construction Details

RG Type:	59
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Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	23 AWG	Solid	BCCS - Bare Copper Covered Steel

Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Conductor(s)	PE - Polyethylene	0.146 in (3.71 mm)	Natural

Outer Shield

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

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.242 in (6.15 mm)

Outer Jacket1 Table Notes:	Type IIA
Overall Cable Diameter (Nominal):	0.242 in (6.15 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)	51.8 Ohm/1000ft (170 Ohm/km)	2.5 Ohm/1000ft (8.2 Ohm/km)	20.5 pF/ft (67.3 pF/m)	75 Ohm	66%

Voltage

UL Voltage Rating	Voltage Rating
300 V (CMH), 150 V (CL2)	1700 V (Mil-Spec)

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C	-20°C To +60°C

Bend Radius

Stationary Min.
2.4 in (61 mm)

Max. Pull Tension:	44 lbs (20 kg)
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Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1, FT1
NEC / UL Compliance:	CL2X
CEC / C(UL) Compliance:	CMH
Military Compliance:	MIL-C-17D
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Alpha Wire - * P/N 9059B 1C 23 AWG RG 59B/U 1C 23 AWG SHIELDED (UL) TYPE CL2X OR C(UL) TYPE CMH FT1 CE ROHS
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History

Update and Revision:	Revision Number: 0.116 Revision Date: 05-18-2026
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Part Numbers

Variants

Item #
9059B BK022
9059B BK001
9059B BK002
9059B BK005
9059B BK021

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