

73009W Multi-Conductor - 600V Unshielded, Light to Moderate Flexing Applications Up to 1 Million Flex Life Cycles



For more Information
please call

1-800-Belden1

General Description:

20 AWG stranded (10x30) bare copper conductors, PVC insulation, oil-resistant PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
8	20	10x30	BC - Bare Copper

Total Number of Conductors: 9

Ground Wire

Ground Wire (Y/N): Y

Ground Wire AWG: 20

Ground Wire Stranding: 10x30

Ground Wire Conductor Material: BC - Bare Copper

Ground Wire Insulation Material: PVC - Polyvinyl Chloride

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.559

Insulation Color Code Chart:

Color	Description
Black	Individually Numbered
Yellow/Green	Ground

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.016

Overall Cable

Overall Nominal Diameter: 10.566 mm

Mechanical Characteristics (Overall)

Storage Temperature Range: -40°C To +90°C

Installation Temperature Range: Flexing: -5°C To +90°C

Bulk Cable Weight: 276.805 Kg/Km

Max. Recommended Pulling Tension: 315.822 N

Min. Bend Radius/Minor Axis: 53.340 mm

Min. Bend/Installation: 53.340 mm

Min. Bend Radius (Continuous Flexing): 53.340 mm

Flex Cycle Rating: 1 Million Flexes

METRIC MEASUREMENT VERSION

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

AWM Specification:	UL Style 2587 (600 V 90°C)
CSA Specification:	600 V AWM I/II A/B
EU Directive 2011/65/EU (ROHS II):	Yes
MII Order #39 (China RoHS):	Yes
Other Specification:	VDE 0472, Section 803 Oil Test, EU Low Voltage Directive 2014/35/EC, EU Directive 2011/65/EU(RoHS2), REACH Regulation (EC 1907/2006), California Proposition 65

Flame Test

CSA Flame Test:	FT1
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Suitability

Suitability - Burial:	Yes
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Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)
0.689

Max. Capacitance Conductor to Conductor:

Freq. (MHz)	Capacitance (pF/m)
0.001	91.868

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
35.435

Max. Operating Voltage - UL:

Voltage
600V

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
73009W 008100	100 FT	23.500 LB	GRAY		20AWG 10/30 9C UNSHIELDED
73009W 0081000	1,000 FT	200.000 LB	GRAY		20AWG 10/30 9C UNSHIELDED
73009W 008500	500 FT	103.000 LB	GRAY		20AWG 10/30 9C UNSHIELDED

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