



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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METRIC MEASUREMENT VERSION

73002W 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
2	20	10x30	BC - Bare Copper

Insulation

Insulation Material:

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

Insulation Color Code Chart:

Color	Description
Black	Individually Numbered

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.889

Overall Cable

Overall Nominal Diameter: 6.045 mm

Mechanical Characteristics (Overall)

Storage Temperature Range:	-40°C To +90°C
Installation Temperature Range:	Flexing: -5°C To +90°C
Bulk Cable Weight:	74.410 Kg/Km
Max. Recommended Pulling Tension:	69.837 N
Min. Bend Radius/Minor Axis:	30.480 mm
Min. Bend/Installation:	30.480 mm
Min. Bend Radius (Continuous Flexing):	30.480 mm
Flex Cycle Rating:	1 Million Flexes

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

Suitability

Suitability - Burial: Yes

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
84.000

Nom. Inductance:

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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)

35.107

Max. Operating Voltage - UL:
Voltage

600V

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
73002W 008100	100 FT	6.500 LB	GRAY		20AWG 10/30 2C UNSHIELDED
73002W 0081000	1,000 FT	51.000 LB	GRAY		20AWG 10/30 2C UNSHIELDED
73002W 008500	500 FT	26.000 LB	GRAY		20AWG 10/30 2C UNSHIELDED

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