Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

73004W 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
3	20	10x30	BC - Bare Copper

Total Number of Conductors:	4

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	0.889

Overall Cable

Overall Nominal Diameter:	6.909 mm

Mechanical Characteristics (Overall)

Storage Temperature Range:	-40°C To +90°C
Installation Temperature Range:	Flexing: -5°C To +90°C
Bulk Cable Weight:	113.103 Kg/Km
Max. Recommended Pulling Tension:	137.894 N
Min. Bend Radius/Minor Axis:	35.560 mm
Min. Bend/Installation:	35.560 mm
Min. Bend Radius (Continuous Flexing):	35.560 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

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Flame Test

CSA Flame Test:	FT1

Suitability

Suitability - Burial:	Yes

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)
35.107

Max. Operating Voltage - UL:

Voltage
600V

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
73004W 008100	100 FT	9.500 LB	GRAY		20AWG 10/30 4C UNSHIELDED
73004W 0081000	1,000 FT	80.000 LB	GRAY		20AWG 10/30 4C UNSHIELDED
73004W 008500	500 FT	41.500 LB	GRAY		20AWG 10/30 4C UNSHIELDED

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