Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



73003WS Multi-Conductor - 600V Shielded, 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 inner jacket, tinned

copper braid shield, 85% coverage, oil-resistant overall PVC jacket. **Physical Characteristics (Overall)** Conductor AWG: # Conductors AWG Stranding Conductor Material Dia. (mm) BC - Bare Copper **Total Number of Conductors:** 3 **Ground Wire** Ground Wire (Y/N): 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) Dia. (mm) PVC - Polyvinyl Chloride 0.559 2.057 Insulation Color Code Chart: Color Description Individually Numbered Yellow/Green Ground

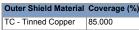
Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom Wall (mm)	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	0.762	6.121

Outer Shield

Outer Shield Material:



Outer Shield Separator Material:

Tissue Tape, 25% Overlap, Min.

Outer Jacket

Outer Jacket Material:

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

Overall Cable

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Overall Nominal Diameter: 8.611 mm

Med	Mechanical Characteristics (Overall)			
	Storage Temperature Range:	-40°C To +90°C		
	Installation Temperature Range:	Flexing: -5°C To +90°C		
	Operating Temperature Range:	Flexing: -5°C To +90°C		
	Bulk Cable Weight:	203.883 Kg/Km		
	Max. Recommended Pulling Tension:	133.446 N		
	Min. Bend Radius/Minor Axis:	68.580 mm		
	Min. Bend/Installation:	68.580 mm		
	Min. Bend Radius (Continuous Flexing):	68.580 mm		
	Flex Cycle Rating:	1 Million Flexes		

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Apı	plicable Specifications and Agency Compliance (O	verall)			
Ар	Applicable Standards & Environmental Programs				
	NEC/(UL) Specification:	THHN/THWN Singles			
	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			
	Other Specification:	AWM/STYLE 2587, AWM I/II A/B, FT1, 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			

Electrical Characteristics (Overall)

Nom. Inductance:

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Inductance (µH/m) 0.689

Nom. Capacitance Cond. to Other Cond. & Ground:

Description	Freq. (kHz)	Capacitance (pF/m)
Nom. Cond. to Cond	1.000	124.678
Nom. Ground.	1.000	223.108

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 34.779

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 11.484

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
73003WS 008100	100 FT	17.200 LB	GRAY		20AWG 10/30 3C SHIELDED
73003WS 0081000	1,000 FT	141.000 LB	GRAY		20AWG 10/30 3C SHIELDED
73003WS 008500	500 FT	72.500 LB	GRAY		20AWG 10/30 3C SHIELDED

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