Detailed Specifications & Technical Data





73405WS 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:

14 AWG stranded (41x30) 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:** 5 **Ground Wire** Ground Wire (Y/N): Ground Wire AWG: 14 **Ground Wire Stranding:** 41X30 **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 2.997 Insulation Color Code Chart:

Color	Description		
Black	Individually Numbered		
Yellow/Green	Ground		

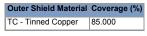
Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom Wall (mm)	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	0.889	10.135

Outer Shield

Outer Shield Material:



Outer Shield Separator Material:

Tissue Tape, 25% Overlap, Min.

Outer Jacket

Outer Jacket Material:

PVC - Polyvinyl Chloride 1.321	Outer Jacket Material	Nom. Wall Thickness (mm)
	PVC - Polyvinyl Chloride	1.321

Overall Cable

Overall Nominal Diameter: 13.640 mm

chanical 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:	595.280 Kg/Km		
Max. Recommended Pulling Tension:	778.435 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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able Specifications and Agency Compliance (Ov	verall)				
able Standards & Environmental Programs					
C/(UL) Specification:	THHN/THWN Singles				
VM Specification:	UL Style 2587 (600 V 90°C)				
A Specification:	600 V AWM I/II A/B				
Directive 2011/65/EU (ROHS II):	Yes				
her 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				
Test					
A Flame Test:	FT1				
	able Specifications and Agency Compliance (Ovable Standards & Environmental Programs (C/(UL) Specification: VM Specification: A Specification: Directive 2011/65/EU (ROHS II): ther Specification: Test A Flame Test:				

Electrical Characteristics (Overall)

Nom. Inductance:

Α

Inductance (µH/m) 0.558

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

Description	Freq. (kHz)	Capacitance (pF/m)	
Nom. Cond. to Cond	1.000	187.017	
Nom. Ground.	1.000	337.943	

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 8.531

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 5.086

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
73405WS 008100	100 FT	45.400 LB	GRAY		14AWG 41/30 5C SHIELDED
73405WS 008500	500 FT	205.500 LB	GRAY		14AWG 41/30 5C SHIELDED

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