

## METRIC MEASUREMENT VERSION

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)
4	14	41x30	BC - Bare Copper	1.880

Total Number of Conductors: 5

**Ground Wire**

Ground Wire (Y/N):	Y
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 Material	Coverage (%)
TC - Tinned Copper	85.000

Outer Shield Separator Material: Tissue Tape, 25&amp;#37; Overlap, Min.

**Outer Jacket**

Outer Jacket Material:

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

**Overall Cable**

Overall Nominal Diameter: 13.640 mm

**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:	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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## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; 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
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## Electrical Characteristics (Overall)

## Nom. Inductance:

Inductance (µH/m)
0.558

## Nom. Capacitance Cond. to Other Cond. &amp; 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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