

## 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       |

# Detailed Specifications & Technical Data



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

##### 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:

| 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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- Поставка образцов и прототипов;
- Техническая поддержка проекта;
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#### Как с нами связаться

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