

METRIC MEASUREMENT VERSION

73812WS 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:

18 AWG stranded (16x30) 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)
6	18	16x30	BC - Bare Copper	1.194

Total Number of Conductors: 7

Ground Wire

Ground Wire (Y/N):	Y
Ground Wire AWG:	18
Ground Wire Stranding:	16X30
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	2.311

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	0.762	11.278

Outer Shield**Outer Shield Material:**

Outer Shield Material	Coverage (%)
TC - Tinned Copper	85.000

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

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.143

Overall Cable

Overall Nominal Diameter: 14.427 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:	630.997 Kg/Km

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Max. Recommended Pulling Tension:	733.953 N
Min. Bend Radius/Minor Axis:	72.136 mm
Min. Bend/Installation:	72.136 mm
Min. Bend Radius (Continuous Flexing):	72.136 mm
Flex Cycle Rating:	1 Million Flexes

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
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Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)
0.623

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

Description	Freq. (kHz)	Capacitance (pF/m)
Nom. Cond. to Cond	1.000	144.364
Nom. Ground.	1.000	259.199

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
21.655

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
5.643

Put Ups and Colors:

No put ups and colors are available for this product

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