

7136WS Multi-Conductor - 600V C-TC+ Control Cables for Extreme Flexing

 For more Information
 please call

1-800-Belden1

**Description:**

14 AWG stranded (266x38) bare copper conductors, PVC-Nylon insulation, PVC inner jacket, tinned copper braid shield (85% coverage), oil- and abrasion-resistant PVC outer jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material
3	14	266x38	BC - Bare Copper

Ground Wire

Ground Wire (Y/N):	Y
Ground Wire AWG:	14
Ground Wire Stranding:	266x38
Ground Wire Conductor Material:	BC - Bare Copper
Ground Wire Insulation Material:	PVC/Nylon - Polyvinyl Chloride/Nylon

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.016
Nylon	0.005

Insulation Color Code Chart:

Number	Color
1	Black and Numbered 1
2	Black and Numbered 2
3	Black and Numbered 3
4	Green/Yellow

Inner Jacket**Inner Jacket Material:**

Inner Jacket Material	Nom Wall (in.)
PVC - Polyvinyl Chloride	0.030

Outer Shield**Outer Shield Material:**

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	85

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.053

Overall Cable

Overall Nominal Diameter:	0.488 in.
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Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +90°C
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Other Temperature Range:	Flexing: -5°C To +90°C
UL Temperature Rating:	90°C (UL AWM Style 2587)
Bulk Cable Weight:	167 lbs/1000 ft.
Max. Recommended Pulling Tension:	208 lbs.
Min. Bend Radius (Install)/Minor Axis:	5 in.
Min. Bend Radius (Continuous Flexing):	7.500 in.
Flex Cycle Rating:	9 Million Flexes

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	TC-ER, WTTC
CSA Specification:	600 V AWM I/II A/B
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	UL1685 FT4/IEEE 1202 Vertical Tray Flame Test
IEEE Flame Test:	1202

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Aerial:	No
Suitability - Burial:	Yes - UL
Sunlight Resistance:	Yes - UL
Oil Resistance:	Yes - Oil Res I & II
Non-halogenated:	No

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

24

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.4

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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7136WS 0031000	1,000 FT	175.000 LB	ORANGE	C	3 #14+GRD PVC/NYL TPE BRD TPE
7136WS 003250	250 FT	46.750 LB	ORANGE	C	3 #14+GRD PVC/NYL TPE BRD TPE

Notes:

C = CRATE REEL PUT-UP.

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