

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 (mm)
PVC - Polyvinyl Chloride	0.406
Nylon	0.127

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 (mm)
PVC - Polyvinyl Chloride	0.762

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 (mm)
PVC - Polyvinyl Chloride	1.346

Overall Cable

Overall Nominal Diameter:	12.395 mm
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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:	248.529 Kg/Km
Max. Recommended Pulling Tension:	925.226 N
Min. Bend Radius (Install)/Minor Axis:	127 mm
Min. Bend Radius (Continuous Flexing):	190.500 mm
Flex Cycle Rating:	9 Million Flexes

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	TC-ER, WTTTC
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/km)
78.744

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
4.5934

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7136WS 0031000	305 MT	79.379 KG	ORANGE	C	3 #14+GRD PVC/NYL TPE BRD TPE
7136WS 003250	76 MT	21.206 KG	ORANGE	C	3 #14+GRD PVC/NYL TPE BRD TPE

Notes:

METRIC MEASUREMENT VERSION

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C = CRATE REEL PUT-UP.

Revision Number: 0 Revision Date: 11-14-2011

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