

7145A Multi-Conductor - 600V C-TC+ Control Cables for Extreme Flexing



For more Information
please call

1-800-Belden1



Description:

12 AWG stranded (413x38), bare copper conductors, PVC insulation, unshielded, oil- and abrasion-resistant PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
4	12	413x38	BC - Bare Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.030

Insulation Resistance:

6.1 Megaohms/1000 ft. minimum

Insulation Color Code Chart:

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

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.075

Overall Cable

Overall Nominal Diameter: 0.545 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +90°C

Other Temperature Range: Flexing: -5°C To +90°C

UL Temperature Rating: 90°C (UL AWM Style 2587)

Bulk Cable Weight: 274 lbs/1000 ft.

Max. Recommended Pulling Tension: 274 lbs.

Min. Bend Radius (Install)/Minor Axis: 5.450 in.

Min. Bend Radius (Continuous Flexing): 8.180 in.

Flex Cycle Rating: 9 Million Flexes

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

AWM Specification:	UL Style 2587 (600 V 90°C)
CSA Specification:	AWM I A/B 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 UL Loading, VW-1
CSA Flame Test:	FT1

Suitability

Oil Resistance:	Yes
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Plenum/Non-Plenum

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

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.6

Max. Operating Voltage - UL:

Voltage

600 V RMS (UL AWM Style 2587)

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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