

7116A Multi-Conductor - 600V C-TC+ Control Cables for Extreme Flexing



For more Information
please call

1-800-Belden1



Description:

18 AWG stranded (114x38) bare copper conductors, PVC insulation, unshielded. oil- and abrasion-resistant PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 18 | 18 | 114x38 | BC - Bare Copper |

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|--------------------------|----------------------|
| PVC - Polyvinyl Chloride | .020 |

Insulation Resistance: 6.1 Megaohms/1000 ft. minimum.

Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .060 |

Overall Cable

Overall Nominal Diameter: 0.598 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: | 234 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 400 lbs. |
| Min. Bend Radius (Continuous Flexing): | 6 in. |
| Flex Cycle Rating: | 9 Million Flexes |

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 |

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| | |
|--|-----|
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MIL Order #39 (China RoHS): | Yes |

Flame Test

| | |
|-----------------------|-------------------------|
| UL Flame Test: | UL1685 UL Loading, VW-1 |
|-----------------------|-------------------------|

Suitability

| | |
|------------------------|-----|
| Oil Resistance: | Yes |
|------------------------|-----|

Plenum/Non-Plenum

| | |
|----------------------|----|
| Plenum (Y/N): | No |
|----------------------|----|

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

5.7

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 |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

Revision Number: 1 Revision Date: 05-14-2007

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