

7115A Non-Paired - 600V C-TC+ Control Cables for Extreme Flexing

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|   | <p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> |
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Description:

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

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

| | |
|----------------------------|------------------|
| Number of Conductors | 12 |
| Total Number of Conductors | 12 |
| AWG | 18 |
| Stranding | 114x38 |
| Conductor Material | BC - Bare Copper |

INSULATION:

| | |
|--------------------------------|--------------------------------|
| Insulation Material | PVC - Polyvinyl Chloride |
| Nom. Insulation Wall Thickness | .020 in. |
| Insulation Resistance | 6.1 Megaohms/1000 ft. minimum. |

Insulation Color Code Chart :

| Number | Color | Number | Color |
|--------|--------|--------|--------------|
| 1 | Red #1 | 7 | Red #7 |
| 2 | Red #2 | 8 | Red #8 |
| 3 | Red #3 | 9 | Red #9 |
| 4 | Red #4 | 10 | Red #10 |
| 5 | Red #5 | 11 | Red #11 |
| 6 | Red #6 | 12 | Green/Yellow |

OUTER SHIELD:

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

OUTER JACKET:

| | |
|-------------------------------------|--------------------------|
| Outer Jacket Material | PVC - Polyvinyl Chloride |
| Outer Jacket Nominal Wall Thickness | .060 in. |

OVERALL NOMINAL DIAMETER:

| | |
|--------------------------|----------|
| Overall Nominal Diameter | .513 in. |
|--------------------------|----------|

MECHANICAL CHARACTERISTICS:

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|-----------------------------|----------------|
| 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 | 159 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 270 lbs. |
| Min. Bend Radius (Continuous Flexing) | 5.1 in. |
| Flex Cycle Rating | 9 Million Flexes |

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

| | |
|---------------------------------------|----------------------------|
| AWM Specification | UL Style 2587 (600 V 90°C) |
| CSA Specification | AWM I A/B II A/B |
| EU RoHS Compliant (Y/N) | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 10/01/2005 |

FLAME TEST:

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

SUITABILITY:

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

PLENUM/NON-PLENUM:

| | |
|--------------|---|
| Plenum (Y/N) | N |
|--------------|---|

ELECTRICAL CHARACTERISTICS:

| | |
|------------------------------------------|-------------------------------|
| Nom. Conductor DC Resistance @ 20 Deg. C | 5.7 Ohms/1000 ft |
| Max. Operating Voltage - UL | 600 V RMS (UL AWM Style 2587) |

PUT-UPS AND COLORS:

| Item | Description | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|--------------|-----------------------------|--------------|--------------------|--------------|-------|
| 7115A 003250 | 12C 18 114/38 BC PVC PVC | 250 | 40.25 | ORANGE | C Z |
| 7115A 003500 | 12C 18 114/38 BC PVC PVC | 500 | 84.5 | ORANGE | C Z |

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 1 Revision Date: 10-11-2005

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