

9156 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information
please call

1-800-Belden1



General Description:

18 AWG stranded (16x30) tinned copper conductors, PVC insulation, twisted pairs, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 2 | 18 | 16x30 | TC - Tinned Copper |

Total Number of Conductors: 4

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|--------------------------|----------------------|
| PVC - Polyvinyl Chloride | 0.013 |

Inner Shield

Inner Shield Material:

| Inner Shield Material |
|-----------------------|
| Unshielded |

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .035 |

Overall Cable

Overall Nominal Diameter: 0.333 in.

Pair

Pair Color Code Chart:

| Number | Color |
|--------|---------------|
| 1 | Black & Red |
| 2 | Black & White |

Pair Lay Length & Direction:

| Lay Length (in.) | Twists (twist/ft) | Direction |
|------------------|-------------------|-----------|
| 2.000 | 6.000 | Left Hand |

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

Bulk Cable Weight: 48 lbs/1000 ft.

Max. Recommended Pulling Tension: 90 lbs.

Min. Bend Radius/Minor Axis: 3.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|------------------------------------|----------------------------|
| NEC/(UL) Specification: | CMG |
| NEC Articles: | 800 |
| CEC/C(UL) Specification: | CMG |
| AWM Specification: | UL Style 2464 (300 V 80°C) |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU CE Mark: | Yes |

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| | |
|---------------------------------------|------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005 |
| 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 FT4 Loading |
| CSA Flame Test: | FT4 |

Suitability

| | |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

25.5

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

5.86

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

| Description | Current |
|----------------------|---------------------------------------|
| 10C Temperature Rise | 3.9 Amps per conductor @ 20°C ambient |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|--------|-------|------------------|
| 9156 060U1000 | 1,000 FT | 49.000 LB | CHROME | | 2 #18 PR PVC PVC |
| 9156 060U500 | 500 FT | 25.000 LB | CHROME | | 2 #18 PR PVC PVC |
| 9156 0601000 | 1,000 FT | 51.000 LB | CHROME | C | 2 #18 PR PVC PVC |
| 9156 060500 | 500 FT | 27.000 LB | CHROME | C | 2 #18 PR PVC PVC |
| 9156 0605000 | 5,000 FT | 260.000 LB | CHROME | C Z | 2 #18 PR PVC PVC |

Notes:

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.

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