

8466 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information
please call

1-800-Belden1



General Description:

18 AWG stranded (19x30) tinned copper conductors, conductors cabled, PVC insulation, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 12 | 18 | 19x30 | TC - Tinned Copper |

Total Number of Conductors: 12

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|--------------------------|----------------------|
| PVC - Polyvinyl Chloride | 0.018 |

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .040 |

Overall Cable

Overall Cabling Color Code Chart:

| Number | Color |
|--------|--------------|
| 1 | Black |
| 2 | White |
| 3 | Red |
| 4 | Green |
| 5 | Orange |
| 6 | Blue |
| 7 | White/Black |
| 8 | Red/Black |
| 9 | Green/Black |
| 10 | Orange/Black |
| 11 | Blue/Black |
| 12 | Black/White |

Overall Nominal Diameter: 0.412 in.

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|--------------------------|
| Operating Temperature Range: | -20°C To +60°C |
| UL Temperature Rating: | 60°C (UL AWM Style 2598) |
| Bulk Cable Weight: | 113 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 300 lbs. |
| Min. Bend Radius/Minor Axis: | 4.250 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|------------------------------------|----------------------------|
| NEC/(UL) Specification: | CMG |
| CEC/C(UL) Specification: | CMG |
| AWM Specification: | UL Style 2598 (300 V 60°C) |
| EU Directive 2011/65/EU (ROHS II): | Yes |

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| | |
|---------------------------------------|------------|
| EU CE Mark: | Yes |
| 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 |
| MII Order #39 (China RoHS): | Yes |

Flame Test

| | |
|-----------------|--------------------|
| UL Flame Test: | UL1685 FT4 Loading |
| CSA Flame Test: | FT4 |

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

26

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.3

Max. Operating Voltage - UL:

Voltage

300 V RMS (UL AWM Style 2598)

Max. Recommended Current:

Current

3.5 Amps per conductor @ 25°C

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|----------|-------------|--------|-------|----------------|
| 8466 060100 | 100 FT | 12.300 LB | CHROME | | 12 #18 PVC PVC |
| 8466 0601000 | 1,000 FT | 122.000 LB | CHROME | C | S3C18 PVC PVC |
| 8466 060250 | 250 FT | 30.250 LB | CHROME | C | 12 #18 PVC PVC |
| 8466 060500 | 500 FT | 61.500 LB | CHROME | C | 12 #18 PVC PVC |
| 8466 0605000 | 5,000 FT | 630.000 LB | CHROME | C Z | 12 #18 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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