

9746 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information
please call

1-800-Belden1



General Description:

22 AWG stranded (7x30) tinned copper conductors, PVC insulation, twisted pairs, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 4 | 22 | 7x30 | TC - Tinned Copper |

Total Number of Conductors: 8

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (mm) |
|--------------------------|---------------------|
| PVC - Polyvinyl Chloride | 0.279 |

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.8128 |

Overall Cable

Overall Nominal Diameter: 7.137 mm

Pair

Pair Color Code Chart:

| Number | Color |
|--------|---------------|
| 1 | Black & Red |
| 2 | Black & White |
| 3 | Black & Green |
| 4 | Black & Blue |

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|--------------------------|
| Operating Temperature Range: | -20°C To +80°C |
| Non-UL Temperature Rating: | 80°C (UL AWM Style 2576) |
| Bulk Cable Weight: | 56.552 Kg/Km |
| Max. Recommended Pulling Tension: | 320.270 N |
| Min. Bend Radius/Minor Axis: | 76.200 mm |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|----------------------------|
| NEC/(UL) Specification: | CMG |
| CEC/C(UL) Specification: | CMG |
| AWM Specification: | UL Style 2576 (150 V 80°C) |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| 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 |

METRIC MEASUREMENT VERSION

9746 Multi-Conductor - Audio, Control and Instrumentation Cable

| | |
|-----------------------------------|-----|
| 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/m)

83.6655

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

48.2307

Max. Operating Voltage - UL:

| Voltage | Description |
|-----------|-------------------|
| 150 V RMS | UL AWM Style 2576 |
| 300 V RMS | CMG |

Max. Recommended Current:

Current

1.9 Amps per conductor @ 20°C

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|----------|-------------|--------|-------|------------------|
| 9746 0601000 | 1,000 FT | 42.000 LB | CHROME | C | 4 #22 PR PVC PVC |
| 9746 060500 | 500 FT | 22.500 LB | CHROME | C | 4 #22 PR PVC PVC |

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-27-2012

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