

## 8466 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information  
please call

1-800-Belden1

**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 |

**Insulation****Insulation Material:**

| Insulation Material      | Wall Thickness (mm) |
|--------------------------|---------------------|
| PVC - Polyvinyl Chloride | 0.4318              |

**Outer Shield****Outer Shield Material:**

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

**Outer Jacket****Outer Jacket Material:**

| Outer Jacket Material    | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 1.016                    |

**Overall Cabling****Overall Cabling Lay Length & Direction:**

| Length (mm) | Twists (m.) |
|-------------|-------------|
| 95.249625   | 0.97536     |

**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:**

10.465 mm

**Mechanical Characteristics (Overall)**

**Operating Temperature Range:**

-20°C To +60°C

**UL Temperature Rating:**

60°C (UL AWM Style 2598)

**Bulk Cable Weight:**

183.197 Kg/Km

## 8466 Multi-Conductor - Audio, Control and Instrumentation Cable

|                                   |            |
|-----------------------------------|------------|
| Max. Recommended Pulling Tension: | 1334.460 N |
|-----------------------------------|------------|

|                                        |            |
|----------------------------------------|------------|
| Min. Bend Radius (Install)/Minor Axis: | 104.140 mm |
|----------------------------------------|------------|

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

|                         |     |
|-------------------------|-----|
| NEC/(UL) Specification: | CMG |
|-------------------------|-----|

|                          |     |
|--------------------------|-----|
| CEC/C(UL) Specification: | CMG |
|--------------------------|-----|

|                    |                            |
|--------------------|----------------------------|
| AWM Specification: | UL Style 2598 (300 V 60°C) |
|--------------------|----------------------------|

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

|                   |     |
|-------------------|-----|
| C(UL) Flame Test: | FT4 |
|-------------------|-----|

## Plenum/Non-Plenum

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

## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

|                    |
|--------------------|
| Capacitance (pF/m) |
|--------------------|

|        |
|--------|
| 85.306 |
|--------|

## Nom. Conductor DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
|---------------------|

|         |
|---------|
| 20.6703 |
|---------|

## Max. Operating Voltage - UL:

|         |
|---------|
| Voltage |
|---------|

|                               |
|-------------------------------|
| 300 V RMS (UL AWM Style 2598) |
|-------------------------------|

## Max. Recommended Current:

|         |
|---------|
| Current |
|---------|

|                               |
|-------------------------------|
| 3.5 Amps per conductor @ 25°C |
|-------------------------------|

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

| Item #       | Putup  | Ship Weight | Color  | Notes | Item Desc      |
|--------------|--------|-------------|--------|-------|----------------|
| 8466 060100  | 30 MT  | 5.579 KG    | CHROME |       | 12 #18 PVC PVC |
| 8466 0601000 | 305 MT | 55.339 KG   | CHROME | C     | PS3C18 PVC PVC |
| 8466 060250  | 76 MT  | 13.721 KG   | CHROME | C     | 12 #18 PVC PVC |
| 8466 060500  | 152 MT | 27.896 KG   | CHROME | C     | 12 #18 PVC PVC |

## Notes:

C = CRATE REEL PUT-UP.

## 8466 Multi-Conductor - Audio, Control and Instrumentation Cable

Revision Number: 2    Revision Date: 09-18-2008

© 2011 Belden, Inc.  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.