



**Part Number:** 8466

Audio/Control/Instrumentation, (12) 18 AWG (19x30) TC, PVC/PVC, CMG

**Product Description**

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

**Technical Specifications**

Physical Characteristics (Overall)

| Conductor        |           |                    |                   |
|------------------|-----------|--------------------|-------------------|
| AWG              | Stranding | Material           | No. of Conductors |
| 18               | 19x30     | TC - Tinned Copper | 12                |
| Conductor Count: |           |                    | 12                |
| Conductor Size:  |           |                    | 18 AWG            |

| Insulation               |                        |
|--------------------------|------------------------|
| Material                 | Nominal Wall Thickness |
| PVC - Polyvinyl Chloride | 0.018 in               |

| Color 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  |

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

| Outer Jacket Material    |                  |                        |
|--------------------------|------------------|------------------------|
| Material                 | Nominal Diameter | Nominal Wall Thickness |
| PVC - Polyvinyl Chloride | 0.412 in         | 0.04 in                |

Electrical Characteristics

| Conductor DCR         |  |
|-----------------------|--|
| Nominal Conductor DCR |  |
| 6.3 Ohm/1000ft        |  |

| Capacitance                             |  |
|---|--|
| Nom. Capacitance Conductor to Conductor |  |
| 26 pF/ft                                |  |

|            |            |
|------------|------------|
| Shielding: | Unshielded |
|------------|------------|

Current

|                               |
|-------------------------------|
| Max. Recommended Current [A]  |
| 3.5 Amps per conductor @ 25°C |

Voltage

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

Temperature Range

|                       |                          |
|-----------------------|--------------------------|
| UL Temp Rating:       | 60°C (UL AWM Style 2598) |
| Operating Temp Range: | -20°C To +60°C           |

Mechanical Characteristics

|                                  |                |
|----------------------------------|----------------|
| Bulk Cable Weight:               | 113 lbs/1000ft |
| Max Recommended Pulling Tension: | 300 lbs        |
| Min Bend Radius/Minor Axis:      | 4.25 in        |

Standards

|                          |                            |
|--------------------------|----------------------------|
| NEC Articles:            | 800                        |
| NEC/(UL) Specification:  | CMG                        |
| CEC/C(UL) Specification: | CMG                        |
| UL AWM Style:            | UL Style 2598 (300 V 60°C) |
| CPR Euroclass:           | Eca                        |

Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2003/96/EC (BFR):        | Yes                           |
| EU Directive 2011/65/EU (ROHS II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive 2015/863/EU:             | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01                    |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                           |
| MII Order #39 (China RoHS):           | Yes                           |

Flammability, LS0H, Toxicity Testing

|                    |                               |
|--------------------|-------------------------------|
| UL Flammability:   | UL1685 FT4 Loading            |
| CSA Flammability:  | FT4                           |
| UL voltage rating: | 300 V RMS (UL AWM Style 2598) |

Plenum/Non-Plenum

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

Part Number

Variants

| Item #       | Color  | Footnote |
|--------------|--------|----------|
| 8466 060100  | Chrome |          |
| 8466 0601000 | Chrome | C        |
| 8466 060250  | Chrome | C        |
| 8466 060500  | Chrome | C        |
| 8466 0605000 | Chrome | C Z      |

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

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