



**Part Number:** 8465

Audio/Control/Instrumentation, (5) 18 AWG (19x30) TC,  
PVC/PVC, CMG

## Product Description

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

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

| AWG | Stranding | Material           | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 18  | 19x30     | TC - Tinned Copper | 5                 |

|                             |   |
|-----------------------------|---|
| Total Number of Conductors: | 5 |
|-----------------------------|---|

#### Insulation:

| Material                 | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.017 in               |

#### Color Chart 1:

| Number | Color |
|--------|-------|
| 1      | Black |
| 2      | White |
| 3      | Red   |
| 4      | Green |
| 5      | Brown |

#### Outershield 1:

| Material   |
|------------|
| Unshielded |

#### Outerjacket 1:

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.282 in         | 0.033 in               |

## Electrical Characteristics

### Conductor DCR:

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

### Capacitance:

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

### Current:

| Max. Recommended Current [A] |
|------------------------------|
| 4 Amps per conductor @ 25°C  |

### Voltage:

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

## Use

|                                  |         |
|----------------------------------|---------|
| Max Recommended Pulling Tension: | 125 lbs |
|----------------------------------|---------|

## Safety

|                   |                    |
|-------------------|--------------------|
| CSA Flammability: | FT4                |
| UL Flammability:  | UL1685 FT4 Loading |

## Temperature Range

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

## Mechanical Characteristics

|                             |      |
|-----------------------------|------|
| Min Bend Radius/Minor Axis: | 3 in |
|-----------------------------|------|

## Part Number

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

Standards

|                                   |                                  |
|-----------------------------------|----------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | CA Prop 65 (CJ for Wire & Cable) |
| CEC/C(UL) Specification:          | CEC/C(UL) Specification          |
| MII Order #39 (China RoHS):       | MII Order #39 (China RoHS)       |
| NEC/(UL) Specification:           | NEC/(UL) Specification           |
| UL AWM Style:                     | AWM Specification                |
| EU Directive Compliance:          | EU Directive 2003/11/EC (BFR)    |
| EU CE Mark:                       | EU CE Mark                       |

History

|        |                                     |
|--------|-------------------------------------|
| Notes: | Nominal Loop Inductance: .18 µH/ft. |
|--------|-------------------------------------|

Product Variants

| Part Number   | Color  | Put-Up Type | Length  |
|---------------|--------|-------------|---------|
| 8465 0601000  | CHROME | Reel        | 1000 ft |
| 8465 060100   | CHROME | Reel        | 100 ft  |
| 8465 0605000  | CHROME | Reel        | 5000 ft |
| 8465 060500   | CHROME | Reel        | 500 ft  |
| 8465 060U1000 | CHROME | UnReel      | 1000 ft |
| 8465 060U500  | CHROME | UnReel      | 500 ft  |

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