



**Part Number:** 8458

Audio/Control/Instrumentation, (15) 22 AWG (7x30) TC, PVC/PVC, CMG

## Product Description

Fifteen 22 AWG stranded (7x30) tinned copper conductors, conductors cabled, PVC insulation, PVC Jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

| AWG                                | Stranding | Material           | No. of Conductors |
|------------------------------------|-----------|--------------------|-------------------|
| 22                                 | 7x30      | TC - Tinned Copper | 15                |
| <b>Total Number of Conductors:</b> |           |                    | 15                |

#### Insulation:

| Material                 | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.011 in               |

#### Color Chart 1:

| Color        |
|--------------|
| Black        |
| White        |
| Red          |
| Green        |
| Orange       |
| Blue         |
| White/Black  |
| Red/Black    |
| Green/Black  |
| Orange/Black |
| Blue/Black   |
| Black/White  |
| Red/White    |
| Green/White  |
| Blue/White   |

**Outershield 1:**

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

**Outerjacket 1:**

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.315 in         | 0.04 in                |

**Electrical Characteristics**

**Conductor DCR:**

| Nominal Conductor DCR |
|-----------------------|
| 15.6 Ohm/1000ft       |

**Capacitance:**

| Nom. Capacitance Conductor to Conductor |
|---|
| 34 pF/ft                                |

**Current:**

| Max. Recommended Current [A]  |
|-------------------------------|
| 2.1 Amps per conductor @ 25°C |

**Inductance:**

| Nominal Inductance |  |
|--------------------|--|
| 0.17 $\mu$ H/ft    |  |

## Voltage:

| UL Voltage Rating             |  |
|-------------------------------|--|
| 300 V RMS (CMG)               |  |
| 150 V RMS (UL AWM Style 2576) |  |

## Use

|                                  |         |
|----------------------------------|---------|
| Max Recommended Pulling Tension: | 135 lbs |
|----------------------------------|---------|

## Safety

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

## Temperature Range

|                       |                          |
|-----------------------|--------------------------|
| Operating Temp Range: | -20°C To +80°C           |
| UL Temp Rating:       | 80°C (UL AWM Style 2576) |

## Mechanical Characteristics

|                             |         |
|-----------------------------|---------|
| Min Bend Radius/Minor Axis: | 3.25 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          |
| CSA AWM Specification:            | CSA 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

## Product Variants

| Part Number  | Color  | Put-Up Type | Length  |
|--------------|--------|-------------|---------|
| 8458 0601000 | CHROME | Reel        | 1000 ft |
| 8458 060100  | CHROME | Reel        | 100 ft  |
| 8458 0605000 | CHROME | Reel        | 5000 ft |
| 8458 060500  | CHROME | Reel        | 500 ft  |

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