



**Part Number:** 8749

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

## Product Description

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

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

| AWG                         | Stranding | Material           | No. of Pairs |
|-----------------------------|-----------|--------------------|--------------|
| 22                          | 7x30      | TC - Tinned Copper | 15           |
| Total Number of Conductors: |           |                    | 30           |

#### Insulation:

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

#### Color Chart 1:

| Number | Color          |
|--------|----------------|
| 1      | Black & Red    |
| 2      | Black & White  |
| 3      | Black & Green  |
| 4      | Black & Blue   |
| 5      | Black & Yellow |
| 6      | Black & Brown  |
| 7      | Black & Orange |
| 8      | Red & White    |
| 9      | Red & Green    |
| 10     | Red & Blue     |
| 11     | Red & Yellow   |
| 12     | Red & Brown    |
| 13     | Red & Orange   |
| 14     | Green & White  |
| 15     | Green & Blue   |

Outershield 1:

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

Outerjacket 1:

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.44 in          | 0.04 in                |

Electrical Characteristics

Conductor DCR:

| Nominal Conductor DCR |
|-----------------------|
| 14.7 Ohm/1000ft       |

Capacitance:

| Nom. Capacitance Conductor to Conductor |
|---|
| 25.5 pF/ft                              |

Current:

| Max. Recommended Current [A]  |
|-------------------------------|
| 1.4 Amps per conductor @ 20°C |

Voltage:

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

Use

|                                  |         |
|----------------------------------|---------|
| Max Recommended Pulling Tension: | 273 lbs |
|----------------------------------|---------|

Safety

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

Temperature Range

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

Mechanical Characteristics

|                             |        |
|-----------------------------|--------|
| Min Bend Radius/Minor Axis: | 4.5 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

Product Variants

| Part Number  | Color  | Put-Up Type | Length  |
|--------------|--------|-------------|---------|
| 8749 0601000 | CHROME | Reel        | 1000 ft |
| 8749 060500  | CHROME | Reel        | 500 ft  |

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