



**Part Number: 9433**

Audio/Control/Instrumentation, (40) 22 AWG (7x30) TC, PVC/PVC, CMG

[Request Sample](#)

**Product Description**

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

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

| AWG | Stranding | Material           | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 22  | 7x30      | TC - Tinned Copper | 40                |

|                  |        |
|------------------|--------|
| Conductor Count: | 40     |
| Conductor Size:  | 22 AWG |

**Insulation**

| Material                 | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.011 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        |
| 13     | Red/White          |
| 14     | Green/White        |
| 15     | Blue/White         |
| 16     | Black/Red          |
| 17     | White/Red          |
| 18     | Orange/Red         |
| 19     | Blue/Red           |
| 20     | Red/Green          |
| 21     | Orange/Green       |
| 22     | Black/White/Red    |
| 23     | White/Black/Red    |
| 24     | Red/Black/White    |
| 25     | Green/Black/White  |
| 26     | Orange/Black/White |
| 27     | Blue/Black/White   |
| 28     | Black/Red/Green    |
| 29     | White/Red/Green    |

|    |                    |
|----|--------------------|
| 30 | Red/Black/Green    |
| 31 | Green/Black/Orange |
| 32 | Orange/Black/Green |
| 33 | Blue/White/Orange  |
| 34 | Black/White/Orange |
| 35 | White/Red/Orange   |
| 36 | Orange/White/Blue  |
| 37 | White/Red/Blue     |
| 38 | Black/White/Green  |
| 39 | White/Black/Green  |
| 40 | Red/White/Green    |

#### Outer Shield Material

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

#### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.455 in         | 0.04 in                |

## Electrical Characteristics

#### Conductor DCR

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

#### Capacitance

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

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

#### Inductance

| Nominal Inductance |
|--------------------|
| 0.17 µH/ft         |

#### Current

| Max. Recommended Current [A]    |
|---------------------------------|
| 1.2 Amps per conductor @ 25°C A |

#### Voltage

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

## Temperature Range

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

## Mechanical Characteristics

|                                  |                |
|----------------------------------|----------------|
| Bulk Cable Weight:               | 151 lbs/1000ft |
| Max Recommended Pulling Tension: | 354 lbs        |
| Min Bend Radius/Minor Axis:      | 4.75 in        |

## Standards

|                          |                            |
|--------------------------|----------------------------|
| NEC Articles:            | 800                        |
| NEC/(UL) Specification:  | CMG                        |
| CEC/C(UL) Specification: | CMG                        |
| UL AWM Style:            | UL Style 2576 (150 V 80°C) |
| CPR Euroclass:           | Eca                        |

## Applicable Environmental and Other Programs

|                                    |     |
|------------------------------------|-----|
| EU Directive 2011/65/EU (ROHS II): | Yes |
|------------------------------------|-----|

|                          |                                   |
|--------------------------|-----------------------------------|
| EU Directive Compliance: | EU Directive 2011/65/EU (ROHS II) |
|--------------------------|-----------------------------------|

## Flammability, LSOH, Toxicity Testing

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

## Plenum/Non-Plenum

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

## Part Number

### Variants

| Item #       | Color  | Footnote |
|--------------|--------|----------|
| 9433 060100  | Chrome | C        |
| 9433 0601000 | Chrome | C        |
| 9433 0603000 | Chrome | C        |
| 9433 060500  | Chrome | C        |
| 9433 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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