



**Part Number: 9491**

300V PLTC, (1 triad) 22 AWG (7x30) TC, PVC/PVC, CMG

## Product Description

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

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material           | No. of Triads |
|-----|-----------|--------------------|---------------|
| 22  | 7x30      | TC - Tinned Copper | 1             |

|                         |     |
|-------------------------|-----|
| Conductor Count:        | 3   |
| Total Number of Pairs:  | N/A |
| Total Number of Triads: | 1   |
| AWG Size:               | 22  |

#### Insulation

| Material                 | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.062 in         |

#### Color Chart

| Number | Color               |
|--------|---------------------|
| 1      | Black & White & Red |

#### Outer Shield Material

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

#### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.207 in         | 0.037 in               | Yes     |

### Electrical Characteristics

#### Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 15 Ohm/1000ft         |

#### Capacitance

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

#### Inductance

| Nominal Inductance |
|--------------------|
| 0.21 $\mu$ H/ft    |

#### Current

| Max. Recommended Current [A]  |
|-------------------------------|
| 3.8 Amps per conductor @ 25°C |

#### Voltage

|                          |
|--------------------------|
| <b>UL Voltage Rating</b> |
| 300V RMS                 |

## Temperature Range

|                       |                 |
|-----------------------|-----------------|
| UL Temp Rating:       | 105°C           |
| Operating Temp Range: | -30°C To +105°C |

## Mechanical Characteristics

|                                  |        |
|----------------------------------|--------|
| Max Recommended Pulling Tension: | 29 lbs |
| Min Bend Radius/Minor Axis:      | 2 in   |

## Standards

|                          |                      |
|--------------------------|----------------------|
| NEC/(UL) Specification:  | CMG, PLTC-ER, ITC-ER |
| CEC/C(UL) Specification: | CMG                  |
| UL AWM Style:            | 2464                 |

## 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                           |

## Suitability

|                                    |     |
|------------------------------------|-----|
| Suitability - Burial:              | Yes |
| Suitability - Indoor:              | Yes |
| Suitability - Outdoor:             | Yes |
| Suitability - Sunlight Resistance: | Yes |

## Flammability, LS0H, Toxicity Testing

|                     |                   |
|---------------------|-------------------|
| C(UL) Flammability: | FT4               |
| UL Flammability:    | UL1685 UL Loading |
| ICEA Flammability:  | T-29-520          |
| IEEE Flammability:  | 1202              |

## Part Number

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

## Variants

| Item #        | Color  | Footnote |
|---------------|--------|----------|
| 9491 0602500  | CHROME | Z        |
| 9491 060U1000 | CHROME |          |
| 9491 060U500  | CHROME |          |

|           |  |
|-----------|--|
| 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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