



**Part Number:** 9512

300V Power-Limited Tray Cable

## Product Description

22 AWG pairs stranded (7x30) tinned copper conductors, twisted pairs, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

| AWG                         | Stranding | Material           | No. of Pairs |
|-----------------------------|-----------|--------------------|--------------|
| 22                          | 7x30      | TC - Tinned Copper | 2            |
| Total Number of Conductors: |           |                    | 4            |

#### Insulation:

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

#### Color Chart 1:

| Number | Color                    |
|--------|--------------------------|
| 1      | Black & Red and Numbered |
| 2      | Black & Red and Numbered |

#### Outershield 1:

| Type | Material                     | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|------------------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum Foil-Polyester Tape | Beldfoil®           | 100 %        | TC - Tinned Copper | 22            | 7x30 mm                      |

#### Outerjacket 1:

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.295 in         | 0.042 in               | Yes     |

|               |  |
|---------------|--|
| Print Legend: | LEGEND: BELDEN XXXX E34972 2PR22 SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES DIR BUR OR AWM 2464 80C 300V OR C(UL) |
|---------------|--|

## Electrical Characteristics

### Conductor DCR:

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

### Capacitance:

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 26 pF/ft                                | 45 pF/ft  |

### Inductance:

| Nominal Inductance |
|--------------------|
| 0.21 µH/ft         |

### Voltage:

| UL Voltage Rating |
|-------------------|
| 300V RMS          |

## Use

|                                    |        |
|------------------------------------|--------|
| Suitability - Burial:              | Yes    |
| Suitability - Indoor:              | Yes    |
| Suitability - Outdoor:             | Yes    |
| Suitability - Sunlight Resistance: | Yes    |
| Max Recommended Pulling Tension:   | 20 lbs |

## Safety

|                    |                                 |
|--------------------|---------------------------------|
| CSA Flammability:  | FT4                             |
| IEEE Flammability: | 1202                            |
| UL Flammability:   | UL1685 Vertical Tray Flame Test |

## Temperature Range

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

Mechanical Characteristics

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

Part Number

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

Standards

|                                   |                               |
|-----------------------------------|-------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | Yes                           |
| CEC/C(UL) Specification:          | CMG                           |
| MII Order #39 (China RoHS):       | Yes                           |
| NEC/(UL) Specification:           | CMG^ITC^PLTC                  |
| UL AWM Style:                     | UL Style 2464 (300V 80°C)     |
| EU Directive Compliance:          | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                       | Yes                           |

History

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