



**Part Number:** 9331  
300V Power-Limited Tray Cable

## Product Description

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

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

| AWG                                | Stranding | Material           | No. of Pairs |
|------------------------------------|-----------|--------------------|--------------|
| 22                                 | 7x30      | TC - Tinned Copper | 6            |
| <b>Total Number of Conductors:</b> |           |                    | 12           |

#### Insulation:

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

#### Color Chart 1:

| Number             | Color                      |
|--------------------|----------------------------|
| 1                  | Black & Red and Numbered 1 |
| 2                  | Black & Red and Numbered 2 |
| 3                  | Black & Red and Numbered 3 |
| 4                  | Black & Red and Numbered 4 |
| 5                  | Black & Red and Numbered 5 |
| 6                  | Black & Red and Numbered 6 |
| Communication Wire | Orange                     |

#### Innershield:

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

### Cabling 1:

|               |
|---------------|
| Lay Direction |
| Left-hand Lay |

### Outershield 1:

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

### Outerjacket 1:

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.457 mm         | 0.053 mm               | Yes     |

|                      |  |
|----------------------|--|
| <b>Print Legend:</b> | LEGEND: BELDEN 9331 E34972 6PR22 SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES DIR BUR OR AWM 2464 80C 300V OR C(UL) CMG----FT4 IEEE 1202 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET |
|----------------------|--|

## Electrical Characteristics

### Conductor DCR:

| Individual Pair Nominal Shield DCR | Nominal Conductor DCR |
|------------------------------------|-----------------------|
| 76 Ohm/1000ft                      | 15 Ohm/km             |

### Capacitance:

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

### Current:

| Max. Recommended Current [A]  |
|-------------------------------|
| 3.4 Amps per conductor @ 25°C |

### Inductance:

| Nominal Inductance |
|--------------------|
| 0.21 µH/m          |

### Voltage:

| UL Voltage Rating |  |
|-------------------|--|
| 300V RMS (PLTC    |  |
| CMG)              |  |
| 150V RMS (ITC)    |  |

## Use

|                                    |         |
|------------------------------------|---------|
| Suitability - Burial:              | Yes     |
| Suitability - Indoor:              | Yes     |
| Suitability - Outdoor:             | Yes     |
| Suitability - Sunlight Resistance: | Yes     |
| Max Recommended Pulling Tension:   | 101 lbs |

## Safety

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

## Temperature Range

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

## Mechanical Characteristics

|                             |         |
|-----------------------------|---------|
| Min Bend Radius/Minor Axis: | 4.33 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:           | PLTC^ITC^CMG                  |
| EU Directive Compliance:          | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                       | Yes                           |

## History

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