



**Part Number:** 9389

300V Power-Limited Tray Cable

## Product Description

18 AWG pairs stranded (19x30) tinned copper conductors, twisted pairs, PVC insulation, individually shielded (100% coverage), PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

| AWG                         | Stranding | Material           | No. of Pairs |
|-----------------------------|-----------|--------------------|--------------|
| 18                          | 19x30     | TC - Tinned Copper | 6            |
| Total Number of Conductors: |           |                    | 12           |

#### Insulation:

| Material                 |
|--------------------------|
| PVC - Polyvinyl Chloride |

#### Color Chart 1:

| Number | Color          |
|--------|----------------|
| 1      | Black & Red #1 |
| 2      | Black & Red #2 |
| 3      | Black & Red #3 |
| 4      | Black & Red #4 |
| 5      | Black & Red #5 |
| 6      | Black & Red #6 |

#### Innershield:

| Type | Material                     | Material Trade Name | Coverage [%] | Drainwire AWG      | Drainwire Construction n x D |
|------|------------------------------|---------------------|--------------|--------------------|------------------------------|
| Tape | Aluminum Foil-Polyester Tape | Beldfoil®           | 100 %        | 20                 | 19x32 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 | 0.535 mm         | 0.053 mm               | Yes     |

|                      |                                                                                                                                                                              |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Print Legend:</b> | BELDEN 9389 E34972 6PR18 SHIELDED (UL) CMG 105C OR PLTC<br>OT ITC SUN RES DIR BUR OR AWM 2464 80C 300V OR C(UL)<br>CMG----FT4 IEEE1202 (2FT, 7 DIGIT SEQUENTIAL NUMBER) FEET |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Electrical Characteristics

### Conductor DCR:

| Individual Pair Nominal Shield DCR | Nominal Conductor DCR |
|------------------------------------|-----------------------|
| 8.3 Ohm/1000ft                     | 5.96 Ohm/km           |

### Capacitance:

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Shield |
|-----------------------------------------|--------------------------------------|
| 61 pF/m                                 | 112 pF/m                             |

### Current:

| Max. Recommended Current [A]  |
|-------------------------------|
| 5.7 Amps per conductor @ 25°C |

### Inductance:

| Nominal Inductance |
|--------------------|
| 0.18 µH/m          |

### Voltage:

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

## Use

|                                    |         |
|------------------------------------|---------|
| Suitability - Burial:              | Yes     |
| Suitability - Indoor:              | Yes     |
| Suitability - Outdoor:             | Yes     |
| Suitability - Sunlight Resistance: | Yes     |
| Max Recommended Pulling Tension:   | 440 lbs |

## Safety

|                     |                    |
|---------------------|--------------------|
| C(UL) Flammability: | FT4                |
| IEEE Flammability:  | 1202               |
| UL Flammability:    | UL1685 FT4 Loading |

## Temperature Range

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

## Mechanical Characteristics

|                             |        |
|-----------------------------|--------|
| Min Bend Radius/Minor Axis: | 5.4 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                  |
| EU Directive Compliance:          | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                       | Yes                           |

## History

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