



**Part Number:** 9342  
600V Tray Cable

## Product Description

16 AWG pairs stranded (19x29) tinned copper conductors, twisted pairs, PVC/Nylon insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

| AWG                                | Stranding | Material           | No. of Pairs |
|------------------------------------|-----------|--------------------|--------------|
| 16                                 | 19x29     | TC - Tinned Copper | 1            |
| <b>Total Number of Conductors:</b> |           |                    | 2            |

#### Insulation:

| Material                             |
|--------------------------------------|
| PVC/Nylon - Polyvinyl Chloride/Nylon |

#### Color Chart 1:

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

#### 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 | 16            | 19x29 mm                     |

#### Outerjacket 1:

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.294 mm         | 0.047 mm               | Yes     |

## Electrical Characteristics

### Conductor DCR:

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 4.2 Ohm/km            | 4.2 Ohm/km               |

### Capacitance:

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 50 pF/m                                 | 87 pF/m   |

### Current:

| Max. Recommended Current [A] |
|------------------------------|
| 8 Amps per conductor @ 30°C  |

### Inductance:

| Nominal Inductance |
|--------------------|
| 0.2 µH/m           |

### Voltage:

| UL Voltage Rating      |
|------------------------|
| 600V RMS (NEC Type TC) |
| 150V RMS (NPLF)        |

## Use

|                                    |        |
|------------------------------------|--------|
| Suitability - Burial:              | Yes    |
| Suitability - Sunlight Resistance: | Yes    |
| Max Recommended Pulling Tension:   | 40 lbs |

## Safety

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

## Temperature Range

|                 |                 |
|-----------------|-----------------|
| Dry Temp Range: | -30°C To +90 °C |
| Wet Temp Range: | -30°C To +75°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                           |
| MII Order #39 (China RoHS):       | Yes                           |
| NEC/(UL) Specification:           | NPLF^TC                       |
| Other Specification:              | ICEA S-73-532, S-61-402       |
| EU Directive Compliance:          | EU Directive 2003/11/EC (BFR) |

## History

|        |  |
|--------|--|
| Notes: | Alternate color coding available upon request. |
|--------|--|

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