



**Part Number:** 25504

600V ACIC, (1 pr) 16 AWG (7x24) TC, PVC/PVC/PVC, Foil Shld, Steel Armor

## Product Description

One 16 AWG pair stranded (7x24) tinned copper conductors, PVC insulation, PVC inner jacket, individual plus an overall Beldfoil® shield (100% coverage), steel interlocked armor, PVC outer jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

| AWG                                | Stranding | Material           | No. of Pairs |
|------------------------------------|-----------|--------------------|--------------|
| 16                                 | 7X24      | TC - Tinned Copper | 1            |
| <b>Total Number of Conductors:</b> |           |                    | 2            |

#### Insulation:

| Material                 | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.03 in                |

#### Color Chart 1:

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

#### Innerjacket:

| Material                 | Nominal Diameter | Ripcord |
|--------------------------|------------------|---------|
| PVC - Polyvinyl Chloride | 0.34 in          | Yes     |

#### 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 | 18            | 7x26 mm                      |

#### Outerjacket 1:

| Material                 | Nominal Diameter | Ripcord | Separator Material |
|--------------------------|------------------|---------|--------------------|
| PVC - Polyvinyl Chloride | 0.64 in          | Yes     | Polyester          |
|                          | 0.64 in          |         |                    |

#### Armor:

| Type of Armor     | Material |
|-------------------|----------|
| Interlocked Armor | Steel    |

## Electrical Characteristics

#### Conductor DCR:

| Element | Individual Pair Nominal Shield DCR | Nominal Conductor DCR |
|---------|------------------------------------|-----------------------|
| 16 AWG  | 6.7 Ohm/1000ft                     | 4.2 Ohm/1000ft        |
| 22 AWG  |                                    | 14.7 Ohm/1000ft       |

#### Voltage:

| Description | Voltage Rating [V] |
|-------------|--------------------|
| CEC ACIC    | 600 V              |

## Use

|                                    |          |
|------------------------------------|----------|
| Suitability - Sunlight Resistance: | Yes      |
| Max Recommended Pulling Tension:   | 93.8 lbs |

## Safety

|                   |     |
|-------------------|-----|
| CSA Flammability: | FT4 |
|-------------------|-----|

## Temperature Range

|                          |                  |
|--------------------------|------------------|
| Dry Temp Range:          | -40°C To +105 °C |
| Installation Temp Range: | -25°C To +105 °C |
| Wet Temp Range:          | -40°C To +75°C   |

## Mechanical Characteristics

|                             |        |
|-----------------------------|--------|
| Min Bend Radius/Minor Axis: | 7.7 in |
|-----------------------------|--------|

## Part Number

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

## Standards

|                                   |                                  |
|-----------------------------------|----------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | CA Prop 65 (CJ for Wire & Cable) |
| CSA AWM Specification:            | CSA Specification                |
| MII Order #39 (China RoHS):       | MII Order #39 (China RoHS)       |
| Other Specification:              | Other Specification              |
| EU Directive Compliance:          | EU Directive 2003/11/EC (BFR)    |

## History

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