



**Part Number:** 23505

300V ACIC, (1 triad) 18 AWG (7x26) TC, PVC/PVC/PVC,  
Foil Shld, Alum Armor

## Product Description

One 18 AWG triad stranded (7x26) tinned copper conductors, PVC inner jacket, individual plus an overall Beldfoil® shield (100% coverage), aluminum interlocked armor, PVC outer jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

| AWG                                | Stranding | Material           | No. of Triads |
|------------------------------------|-----------|--------------------|---------------|
| 18                                 | 7x26      | TC - Tinned Copper | 1             |
| <b>Total Number of Conductors:</b> |           |                    | 3             |

#### Insulation:

| Material                 | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.025 in               |

#### Color Chart 2:

| Number | Number              |
|--------|---------------------|
| 1      | Black & White & Red |

#### Stranding:

| Lay Length |
|------------|
| Yes mm     |

### Innerjacket:

| Material                 | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.33 in          |

### 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 | 20            | 7x28 mm                      |

### Outerjacket 1:

| Material                 | Nominal Diameter | Ripcord |
|--------------------------|------------------|---------|
| PVC - Polyvinyl Chloride | 0.61 in          | Yes     |

### Aarmor:

| Type of Armor     | Material | Diameter over Armoring |
|-------------------|----------|------------------------|
| Interlocked Armor | Aluminum | 0.51 mm                |

## Electrical Characteristics

### Conductor DCR:

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 6.8 Ohm/1000ft        | 10 Ohm/1000ft            |

### Voltage:

| Description | Voltage Rating [V] |
|-------------|--------------------|
| CSA ACIC    | 300 V              |

## Use

|                                  |        |
|----------------------------------|--------|
| Suitability - Indoor:            | Yes    |
| Suitability - Outdoor:           | Yes    |
| Max Recommended Pulling Tension: | 80 lbs |

## Safety

|                     |     |
|---------------------|-----|
| C(UL) Flammability: | FT4 |
|---------------------|-----|

## Temperature Range

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

|                            |                |
|----------------------------|----------------|
| <b>Non-UL Temp Rating:</b> | 105°C          |
| <b>Wet Temp Range:</b>     | -40°C To +75°C |

## Mechanical Characteristics

|                                    |        |
|------------------------------------|--------|
| <b>Min Bend Radius/Minor Axis:</b> | 7.3 in |
|------------------------------------|--------|

## Part Number

|                      |    |
|----------------------|----|
| <b>Plenum (Y/N):</b> | No |
|----------------------|----|

## Standards

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

## History

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