



Part Number: 23501

300V ACIC, (1 pr) 16 AWG (7x24) TC, PVC/PVC/PVC, Foil Shld, Alum Armor

Product Description

Eight 16 AWG pairs stranded (7x24) tinned copper conductors, PVC insulation, 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 Pairs |
|------------------------------------|-----------|--------------------|--------------|
| 16 | 7X24 | TC - Tinned Copper | 1 |
| Total Number of Conductors: | | | 2 |

Insulation:

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

Stranding:

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

Innerjacket:

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.313 in | 0.047 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 | 18 | 7x26 mm |

Outerjacket 1:

| Material | Nominal Diameter | Ripcord |
|--------------------------|------------------|---------|
| PVC - Polyvinyl Chloride | 0.597 in | Yes |

Armor:

| Type of Armor | Material | Diameter over Armoring |
|-------------------|----------|------------------------|
| Interlocked Armor | Aluminum | 0.493 mm |

Electrical Characteristics

Conductor DCR:

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 4.2 Ohm/1000ft | 5.86 Ohm/1000ft |

Voltage:

| Non-UL Description | Non-UL Voltage Rating |
|--------------------|-----------------------|
| CEC ACIC | 300 V RMS |

Use

| | |
|------------------------------------|---------|
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |
| Suitability - Sunlight Resistance: | Yes |
| Max Recommended Pulling Tension: | 200 lbs |

Safety

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

Temperature Range

| | |
|--------------------------|------------------|
| Dry Temp Range: | -40°C To +105 °C |
| Installation Temp Range: | -25°C To +105°C |
| Non-UL Temp Rating: | 105°C |
| Operating Temp Range: | -40°C To +105°C |

| | |
|------------------------|------------------|
| Wet Temp Range: | -40 °C To +75 °C |
|------------------------|------------------|

Mechanical Characteristics

| | |
|------------------------------------|--------|
| Min Bend Radius/Minor Axis: | 7.2 in |
|------------------------------------|--------|

Part Number

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

Standards

| | |
|--|----------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | CA Prop 65 (CJ for Wire & Cable) |
|--|----------------------------------|

| | |
|------------------------------------|----------------------------|
| MII Order #39 (China RoHS): | MII Order #39 (China RoHS) |
|------------------------------------|----------------------------|

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|---------------------------------|-------------------------------|
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
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History

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