



Part Number: 23525

300V ACIC, (12 pr) 16 AWG (7x24) TC, PVC/PVC/PVC,
Foil Shld, Alum Armor

Product Description

Twelve 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 | 12 |
| Total Number of Conductors: | | | 24 |

Insulation:

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

Stranding:

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

Innershield:

| Type | Material | Material Trade Name | Coverage [%] | Drainwire AWG | Drainwire Construction n x D |
|------|------------------------------|---------------------|--------------|--------------------|------------------------------|
| Tape | Aluminum Foil-Polyester Tape | Beldfoil® | 100 % | 18 | 7x26 mm |
| | | | | TC - Tinned Copper | |

Innerjacket:

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 1.006 in | 0.083 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 | 16 | 7x24 mm |

Outerjacket 1:

| Material | Nominal Diameter | Ripcord |
|--------------------------|------------------|---------|
| PVC - Polyvinyl Chloride | 1.37 in | Yes |

Armor:

| Type of Armor | Material | Diameter over Armoring |
|-------------------|----------|------------------------|
| Interlocked Armor | Aluminum | 1.266 mm |

Electrical Characteristics

Conductor DCR:

| Individual Pair Nominal Shield DCR | Nominal Conductor DCR | Nominal Outer Shield DCR |
|------------------------------------|-----------------------|--------------------------|
| 10 Ohm/1000ft | 4.2 Ohm/1000ft | 4 Ohm/1000ft |

Voltage:

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

Use

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

Safety

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

Temperature Range

| | |
|--------------------------|-------------------|
| Dry Temp Range: | -40 °C To +105 °C |
| Installation Temp Range: | -25 °C To +105 °C |
| Non-UL Temp Rating: | 150 °C |
| Wet Temp Range: | -40 °C To +75 °C |

Mechanical Characteristics

| | |
|-------------------------------|---------|
| Min Bend Radius / Minor Axis: | 16.5 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) |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |

History

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