



Part Number: 25518

600V ACIC, (12 pr) 16 AWG (7x24) TC, PVC/PVC/PVC, Foil Shld, Steel 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), 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 | 12 |
| Total Number of Conductors: | | | 24 |

Insulation:

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

Color Chart 1:

| Number | Color |
|--------|-------------------------------|
| 1 | Black & White and Numbered 1 |
| 2 | Black & White and Numbered 2 |
| 3 | Black & White and Numbered 3 |
| 4 | Black & White and Numbered 4 |
| 5 | Black & White and Numbered 5 |
| 6 | Black & White and Numbered 6 |
| 7 | Black & White and Numbered 7 |
| 8 | Black & White and Numbered 8 |
| 9 | Black & White and Numbered 9 |
| 10 | Black & White and Numbered 10 |
| 11 | Black & White and Numbered 11 |
| 12 | Black & White and Numbered 12 |

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 | Ripcord |
|--------------------------|------------------|---------|
| PVC - Polyvinyl Chloride | 1.09 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 | 16 | 7x24 mm |

Outerjacket 1:

| Material | Nominal Diameter | Ripcord | Separator Material |
|--------------------------|------------------|---------|--------------------|
| PVC - Polyvinyl Chloride | 1.46 in | Yes | Polyester |
| | 1.46 in | | Mylar® |

Aarmor:

| 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: | 1161 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: | 17.5 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) |
| Other Specification: | Other Specification |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |

History

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