



Part Number: 9514

300V Power-Limited Tray Cable

Product Description

22 AWG pairs stranded (7x30) tinned copper conductors, twisted pairs, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

| AWG | Stranding | Material | Nominal Diameter | No. of Pairs |
|-----------------------------|-----------|--------------------|------------------|--------------|
| 22 | 7x30 | TC - Tinned Copper | 0.024 in | 4 |
| Total Number of Conductors: | | | 8 | |

Insulation:

| Material | Nominal Diameter |
|----------------------------------------------|------------------|
| F-R PVC - Flame Retardant Polyvinyl Chloride | 0.062 in |

Color Chart 1:

| Number | Color |
|--------|--------------------------|
| 1 | Black & Red and Numbered |
| 2 | Black & Red and Numbered |
| 3 | Black & Red and Numbered |
| 4 | Black & Red and Numbered |

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 | 22 | 7x30 mm |

Outerjacket 1:

| Material | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|----------------------------------------------|------------------|------------------------|---------|
| F-R PVC - Flame Retardant Polyvinyl Chloride | 0.356 in | 0.042 in | Yes |

| | |
|---------------|----------------------------------------------------------------------------------------------------------------------|
| Print Legend: | LEGEND: BELDEN 9514 E34972 4PR22 SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES DIR BUR OR AWM 2464 80C 300V OR C(UL) |
|---------------|----------------------------------------------------------------------------------------------------------------------|

Electrical Characteristics

Conductor DCR:

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 15 Ohm/1000ft | 15 Ohm/1000ft |

Capacitance:

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|-----------------------------------------|---------------------------------------------------------|
| 26 pF/ft | 45 pF/ft |

Current:

| Max. Recommended Current [A] |
|---------------------------------|
| 3.4 Amps per conductor @ 25°C A |

Inductance:

| Nominal Inductance |
|--------------------|
| 0.21 µH/ft |

Voltage:

| UL Voltage Rating |
|-------------------|
| 300V RMS |

Use

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

Safety

| | |
|---------------------|----------|
| C(UL) Flammability: | FT4 |
| ICEA Flammability: | T-29-520 |

| | |
|--------------------|--------------------|
| IEEE Flammability: | 1202 |
| UL Flammability: | UL1685 FT4 Loading |

Temperature Range

| | |
|-----------------------|-----------------|
| Operating Temp Range: | -30°C To +105°C |
| UL Temp Rating: | 105°C |

Mechanical Characteristics

| | |
|-----------------------------|--------|
| Min Bend Radius/Minor Axis: | 3.6 in |
|-----------------------------|--------|

Part Number

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

Standards

| | |
|-----------------------------------|-------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| CEC/C(UL) Specification: | CMG |
| MII Order #39 (China RoHS): | Yes |
| NEC/(UL) Specification: | PLTC^ITC^CMG |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |

History

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