



Part Number: 28114A

600V Tray, (7) 12 AWG (7x20) BC, PVC-NYL/PVC, TC-ER

Product Description

Seven 12 AWG stranded (7x20) bare copper conductors, PVC/Nylon insulation, PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

| Element | AWG | Stranding | Material | No. of Conductors |
|------------------------------------|-----|-----------|------------------|-------------------|
| | 12 | 7x20 | BC - Bare Copper | 7 |
| No Ground | | | | |
| Total Number of Conductors: | | | | 7 |

Insulation:

| Material |
|--------------------------------------|
| PVC/Nylon - Polyvinyl Chloride/Nylon |

Color Chart 1:

| Number | Color |
|--------|-----------|
| 1 | Black |
| 2 | Red |
| 3 | Blue |
| 4 | Orange |
| 5 | Yellow |
| 6 | Brown |
| 7 | Red/Black |

Stranding:

| Lay Length |
|------------|
| N mm |

Outershield 1:

| Material |
|------------|
| Unshielded |

Outerjacket 1:

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.5 in | 0.047 in |

Electrical Characteristics

Conductor DCR:

| Nominal Conductor DCR |
|-----------------------|
| 1.65 Ohm/1000ft |

Current:

| Max. Recommended Current [A] |
|------------------------------|
| 15 Amps per conductor @ 30°C |

Voltage:

| UL Voltage Rating |
|-----------------------|
| 600 V RMS (Type TC) |
| 150 V RMS (Type NPLF) |

Use

| | |
|------------------------------------|---------|
| Suitability - Burial: | Yes |
| Suitability - Sunlight Resistance: | Yes |
| Max Recommended Pulling Tension: | 358 lbs |

Safety

| | |
|--------------------|---------------------------------|
| CSA Flammability: | FT4 |
| IEEE Flammability: | 1202 |
| UL Flammability: | UL1685 Vertical Tray Flame Test |

Temperature Range

| | |
|-----------------|----------------------|
| Dry Temp Range: | -30 °C To +90 °C |
| UL Temp Rating: | 75 °C Dry +90 °C Wet |
| Wet Temp Range: | -30 °C To +75 °C |

Mechanical Characteristics

| | |
|-----------------------------|------|
| Min Bend Radius/Minor Axis: | 5 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) |
| NEC/(UL) Specification: | NEC/(UL) Specification |
| Other Specification: | Other Specification |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | EU CE Mark |

History

Product Variants

| Part Number | Color | Put-Up Type | Length |
|-----------------|-------|-------------|----------|
| 28114A 01010000 | BLACK | Reel | 10000 ft |
| 28114A 0105000 | BLACK | Reel | 5000 ft |

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