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1-800-Belden1



General Description:

16 AWG multi-conductor stranded (7x24) bare copper conductors, PVC/Nylon insulation, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 25 | 16 | 7x24 | BC - Bare Copper |

Total Number of Conductors: 25

Ground Wire

Ground Wire (Y/N): N

Insulation

Insulation Material:

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

Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 2.108 |

Overall Cable

Overall Nominal Diameter: 18.136 mm

Mechanical Characteristics (Overall)

Wet Temperature Range: -30°C To +75°C

Dry Temperature Range: -30°C To +90°C

Bulk Cable Weight: 546.169 Kg/Km

Max. Recommended Pulling Tension: 3892.175 N

Min. Bend Radius/Minor Axis: 182.880 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: NPLF, TC-ER

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

28324A Multi-Conductor - 600V Type TC-ER Cable

| | |
|--|-------------------------|
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |
| Other Specification: | ICEA S-73-532, S-61-402 |

Flame Test

| | |
|--------------------------|-------------------|
| UL Flame Test: | UL1685 UL Loading |
| C(UL) Flame Test: | FT4 |
| IEEE Flame Test: | 1202 |

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

13.7802

Max. Recommended Current:

Current

8 Amps per conductor @ 25°C

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|----------|--------------|-------|-------|--------------------|
| 28324A 0105000 | 5,000 FT | 1,595.000 LB | BLACK | | 25 #16 PVC/NYL PVC |

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