



Product: <u>1037A</u> ☑

Inst, 3 Pr #16 Str BC, PVC-NYL Ins E1, IS/OS, Blk PVC Jkt, 600V TC-ER 150V NPLF 90C Dry/Wet

Request Sample

Product Description

UL Instrumentation, 3 Pair 16AWG (7x24) Bare Copper, PVC-NYL Insulation E1 Color Code, Individual & Overall Beldfoil® Shield, Black PVC Outer Jacket, 600V TC-ER 150V NPLF 90C Dry/Wet SUN RES DIR BUR

Technical Specifications

Product Overview

Suitable Applications: Industrial Control, Raceways Cable trays and ducts, Digital Control, Instruments (4-20ma, 0-10v, ...), low voltage digital control (24v, ...), encoders, control circuits, distributed control system (DCS), programmable logic controller (PLC), Solenoids, Valves, Actuators, Positioners

Construction Details

Conductor

| Element | Number of Element | AWG | Stranding | Material |
|---------|-------------------|-----|-----------|------------------|
| Pair(s) | 3 | 16 | 7x24 | BC - Bare Copper |

Insulation

| Element | Material | Thickness [in.] | Color Code |
|---------|---|-----------------|---------------------------|
| Pair(s) | PVC/Nylon - Polyvinyl Chloride/Nylon Skin | 0.017 | Black, White and Numbered |

Inner Shield Material

| Element | Shield Type | Material | Coverage | Drainwire Type | Notes |
|---------|-------------|-------------|----------|------------------|-----------|
| Pair(s) | Tape | Alum / Poly | 100% | 18 AWG (7x26) TC | each pair |

Outer Shield Material

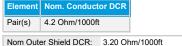
| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------|----------|------------------|
| Таре | Alum / Poly | 100% | 16 AWG (7x24) TC |

Outer Jacket Material

| Material | Thickness | Nom. Diameter | Ripcord |
|---------------------------|-----------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.048 in | 0.476 in | Yes |
| Cable Diameter (Nominal): | 0.476 in | | |

Electrical Characteristics

Electricals



Non Outer Shield DCK. 3.20 Onlin 1000

Voltage

UL Voltage Rating
600 V (TC-ER), 150 V (NPLF)

Mechanical Characteristics

Temperature

| UL Rating | Operating |
|--------------------|--------------------------|
| 90°C Dry, 90°C Wet | -30C to 90C Dry, 75C wet |

Bend Radius

| Ottational y | | |
|------------------|--------|-----------|
| 4.8 in | 5.7 in | |
| Max. Pull Tensio | n: 2 | 290 lbs |
| Bulk Cable Weig | ht: 1 | 127 lbs/1 |

Standards and Compliance

| Environmental Suitability: | Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial |
|---------------------------------|---|
| Flammability / Fire Resistance: | UL1685 (FT4 Loading), FT4, 1202 |
| NEC / UL Compliance: | Article 336, Article 760, NPLF, TC-ER |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

| Update and Revision: | Revision Number: 0.370 Revision Date: 07-31-2020 |
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