



Product: [1335A](#)

Fieldbus, 2 C #16 Str TC, PO Ins, OS+TC Brd, PVC Jkt, CM

[Request Sample](#)

Product Description

Fieldbus, 2 Conductor 16AWG (7x24H) Tinned Copper, PO Insulation, Overall Beldfoil®+Tinned Copper Braid(65%) Shield, Orange PVC Outer Jacket, CM

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Pairs |
|-----|-----------|--------------------|--------------|
| 16 | 7x24 | TC - Tinned Copper | 1 |

Conductor Count:

Insulation

| Material |
|-----------------|
| PO - Polyolefin |

Color Chart

| Number | Color |
|--------|---------------|
| 1 | Blue & Orange |

Outer Shield Material

| Type | Layer | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|-------|-------|--------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | 1 | Aluminum/Polyester | Beldfoil® | 100 % | TC - Tinned Copper | 20 | 7x28 mm |
| Braid | 2 | TC - Tinned Copper | | 65 % | | | |

Outer Jacket Material

| Material | Nominal Diameter | Ripcord |
|--------------------------|------------------|---------|
| PVC - Polyvinyl Chloride | 0.34 in | Yes |

Electrical Characteristics

Conductor DCR

| Max. Outer Shield DCR | Nominal Conductor DCR |
|-----------------------|-----------------------|
| 4.9 Ohm/1000ft | 4.2 Ohm/1000ft |

Capacitance

| Max. Capacitance Unbalance | Nom. Capacitance Conductor to Shield | Nom. Mutual Capacitance |
|----------------------------|--------------------------------------|-------------------------|
| 1.2 pF/ft | 45 pF/ft | 24 pF/ft |

Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 100 Ohm |

High Frequency (Nominal/Typical)

| Nom. Insertion Loss |
|---------------------|
| 0.066 dB/100ft |

Delay

Nominal Velocity of Propagation (VP) [%]

66 %

High Freq

Max. Insertion Loss (Attenuation) Max./Min. Input Impedance (unFitted)

0.091 dB/100ft 100 Ohm

Current

Element Max. Recommended Current [A]

Per Conductor 8 Amps

Voltage

UL Voltage Rating

300 V RMS

Electrical Characteristics Notes: Max Propagation Delay Change From 7.812 kHz to 39.06 kHz: 518 pS/ft

Other Electrical Characteristic 2: 31.25 KBits/sec

Temperature Range

UL Temp Rating: 90°C

Operating Temp Range: -30°C To +90°C

Mechanical Characteristics

Oil Resistance: Yes

UV Resistance: Yes

Bulk Cable Weight: 79 lbs

Max Recommended Pulling Tension: 84 lbs

Min Bend Radius/Minor Axis: 3.4 in

Standards

NEC/(UL) Specification: CM, ITC, PLTC

CEC/C(UL) Specification: CM

Applicable Environmental and Other Programs

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

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

EU Directive 2012/19/EU (WEEE): Yes

EU Directive 2015/863/EU: Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2004-01-01

MII Order #39 (China RoHS): Yes

Suitability

Suitability - Burial: Yes - UL

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Sunlight Resistance: Yes

Flammability, LS0H, Toxicity Testing

UL Flammability: UL1685 UL Loading

UL voltage rating: 300 V RMS

Plenum/Non-Plenum

Plenum (Y/N): No

Part Number

Variants

| Item # | Color | UPC | Length | Footnote |
|--------|-------|-----|--------|----------|
|--------|-------|-----|--------|----------|

| | | | | |
|---------------|-------------|--------------|----------|---|
| 1335A 0061000 | Blue, Light | 612825112198 | 1,000 ft | C |
| 1335A 0031000 | Orange | 612825112167 | 1,000 ft | C |

| | |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

History

| | |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.317 Revision Date: 12-19-2019 |
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