



Product: [88444](#)

Electronic, 4 C #22 Str TC, FEP Ins, FEP Jkt, CMP

Request Sample

Product Description

High Temperature Electronic, 4 Conductor 22AWG (7x30) Tinned Copper, FEP Insulation, FEP Outer Jacket, CMP

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 22 | 7x30 | TC - Tinned Copper | 4 |

Conductor Count:

Insulation

| Material | Nominal Wall Thickness |
|--------------------------------------|------------------------|
| FEP - Fluorinated Ethylene Propylene | 0.0065 in |

Color Chart

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | White |
| 3 | Red |
| 4 | Green |

Outer Shield Material

| Material |
|-----------|
| No Shield |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------------------|------------------|------------------------|
| FEP - Fluorinated Ethylene Propylene | 0.121 in | 0.01 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Conductor Loop DCR |
|-----------------------|----------------------------|
| 15 Ohm/1000ft | 30 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
| 18 pF/ft |

Inductance

| Nominal Inductance |
|--------------------|
| 0.15 μ H/ft |

Current

| Max. Recommended Current [A] |
|------------------------------|
| |

3.3 Amps per conductor @ 25°C (10°C rise in temp)

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

Operating Temp Range: -70°C To +200°C

Mechanical Characteristics

Bulk Cable Weight: 14 lbs/1000ft

Max Recommended Pulling Tension: 36 lbs

Min Bend Radius/Minor Axis: 1.25 in

Standards

NEC Articles: 800

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

CPR Euroclass: Eca

Applicable Environmental and Other Programs

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

EU Directive 2003/96/EC (BFR): 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): 2005-04-01

MII Order #39 (China RoHS): Yes

Suitability

Suitability - Burial: Yes

Suitability - Outdoor: Yes

Flammability, LS0H, Toxicity Testing

UL Flammability: NFPA 262

CSA Flammability: FT6

ISO/IEC Flammability: IEC 60332-1-2

UL voltage rating: 300 V RMS

Plenum/Non-Plenum

Plenum (Y/N): Yes

Part Number

Non-Plenum Number: 8444

Variants

| Item # | Color | UPC | Length | Footnote |
|---------------|-------|--------------|----------|----------|
| 88444 002100 | Red | 612825217015 | 100 ft | C |
| 88444 0021000 | Red | 612825217022 | 1,000 ft | C |
| 88444 002500 | Red | 612825217039 | 500 ft | C |

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.283 Revision Date: 04-02-2020

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