



Part Number: 83394

Control/Instrumentation, (2) 22 AWG (7x30) TC,
FEP/Silicone rubber, Foil+Nylon Shld

Product Description

Two 22 AWG stranded (7x30) TC conductors, Teflon® (FEP) insulation, noise reducing tape, overall Beldfoil® shield (100% coverage), silicone rubber jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

| AWG | Stranding | Material | No. of Conductors |
|-----------------------------|-----------|--------------------|-------------------|
| 22 | 7x30 | TC - Tinned Copper | 2 |
| Total Number of Conductors: | | | 2 |

Insulation:

| Material | Nominal Wall Thickness |
|--------------------------------------|------------------------|
| FEP - Fluorinated Ethylene Propylene | 0.016 in |

Color Chart 1:

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | White |

Outershield 1:

| Type | Layer | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|-------|---------------------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | 1 | Aluminum Foil-Polyester Tape | Beldfoil® | 100 % | TC - Tinned Copper | 22 | 7x30 mm |
| Tape | 1 | Noise Reducing Conductive Nylon | | | | | |

Outerjacket 1:

| Material | Nominal Diameter | Nominal Wall Thickness |
|-----------------|------------------|------------------------|
| Silicone Rubber | 0.199 in | 0.03 in |

Electrical Characteristics

Conductor DCR:

| Nominal Conductor DCR |
|-----------------------|
| 17.5 Ohm/1000ft |

Capacitance:

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 22 pF/ft | 40 pF/ft |

Current:

| Max. Recommended Current [A] |
|-------------------------------|
| 2.8 Amps per conductor @ 25°C |

Inductance:

| Nominal Inductance |
|--------------------|
| 0.2 µH/ft |

Voltage:

| Non-UL Description | Non-UL Voltage Rating |
|--------------------|-----------------------|
| Between Conductors | 350 V RMS |
| Through Jacket | 2000 V DC |

Use

| | |
|----------------------------------|--------|
| Max Recommended Pulling Tension: | 27 lbs |
|----------------------------------|--------|

Safety

Temperature Range

| | |
|-----------------------|-----------------|
| Operating Temp Range: | -70°C To +150°C |
|-----------------------|-----------------|

Mechanical Characteristics

| | |
|-----------------------------|------|
| Min Bend Radius/Minor Axis: | 2 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) |
| Other Specification: | Other Specification |
| UL AWM Style: | AWM 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 |
|---------------|-------|-------------|--------|
| 83394 002500 | RED | Reel | 500 ft |
| 83394 002U500 | RED | UnReel | 500 ft |

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