



**Part Number: 83552**

Control/Instrumentation, (2) 22 AWG (7x30) TC, FEP/FEP, Foil+TC Braid Shld, CMP

## Product Description

Two 22 AWG stranded (7x30) tinned copper conductors, plenum, Teflon® (FEP) insulation, overall Beldfoil® shield (100% coverage) plus tinned copper braid shield (85% coverage), Teflon® (FEP) jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	TC - Tinned Copper	2

Conductor Count:	2
Total Number of Pairs:	1
AWG Size:	22

#### Insulation

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.0065 in

#### Color Chart

Number	Color
1	Black
2	White

#### Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum Foil-Polyester Tape	Beldfoil®	100 %
Braid	2	TC - Tinned Copper		85 %

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.141 in	0.014 in

### Construction and Dimensions

#### Cabling

Lay Length
1.5 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
14.5 Ohm/1000ft	7.5 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
35 pF/ft	63 pF/ft

#### Current

**Max. Recommended Current [A]**

2.75 Amps per conductor @ 25°C

**Voltage****UL Voltage Rating**

300V RMS

**Temperature Range**

Operating Temp Range: -70°C To +200°C

**Mechanical Characteristics**

Bulk Cable Weight: 16 lbs/1000ft

Max Recommended Pulling Tension: 19 lbs

Min Bend Radius/Minor Axis: 1.5 in

**Standards**

NEC Articles: 800

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

**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): 2005-01-01

CA Prop 65 (CJ for Wire &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

**Flammability, LSOH, Toxicity Testing**

UL Flammability: NFPA 262

CSA Flammability: FT6

**Part Number**

Plenum (Y/N): Yes

**Variants**

Item #	Color	Footnote
83552 0021000	RED	C
83552 002500	RED	C

Footnote: C - CRATE REEL PUT-UP.

**Product Notes**

Notes: Plenum Cables, except for Flamarrst« jacket, are suitable for Outdoor and Direct Burial application.

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