



**Part Number: 83395**

Control/Instrumentation, (3) 22 AWG (7x30) TC, FEP/Silicone rubber, Foil+Nylon Shld

## Product Description

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

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	TC - Tinned Copper	3

Conductor Count:	3
AWG Size:	22

#### Insulation

Material	Material Trade Name	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	Teflon®	0.0155 in

#### Color Chart

Number	Color
1	Black
2	Red
3	White

#### Outer Shield Material

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					

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
Silicone Rubber	0.208 in	0.0315 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

#### Voltage

Non-UL Description	Non-UL Voltage Rating
Between Conductors	600 V RMS

Through Jacket	2000 V DC V
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## Temperature Range

UL Temp Rating:	150°C
Operating Temp Range:	-70°C To +150°C

## Mechanical Characteristics

Bulk Cable Weight:	28 lbs/1000ft
Max Recommended Pulling Tension:	30 lbs
Min Bend Radius/Minor Axis:	2.25 in

## Standards

UL AWM Style:	UL Style 4516 (600 V 150°C)
CPR Euroclass:	Eca
Military Specification:	MIL-W-16878/4 (Type E except stranding), (insulated conductors)
Other Specification:	NEMA HP3

## 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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Part Number

### Variants

Item #	Color
83395 002100	RED
83395 002500	RED

## Product Notes

Notes:	Teflon <sup>®</sup> is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
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