

**83394 Multi-Conductor - Control and Instrumentation Cable, 2 Conductors Cabled**

For more Information  
please call

1-800-Belden1

**General Description:**

22 AWG stranded (7x30) TC conductors, conductors cabled, 22 AWG (7x30) stranded TC drain wire, FEP insulation, special Beldfoil® shield (100% coverage), silicone rubber jacket, noise reducing tape.

**Physical Characteristics (Overall)****Conductor**

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	22	7x30	TC - Tinned Copper

Total Number of Conductors: 2

**Insulation**

Insulation Material:

Insulation Material	Wall Thickness (in.)
FEP - Fluorinated Ethylene Propylene	0.016

**Outer Shield**

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
1		Tape	Noise Reducing Conductive Nylon	

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	7x30	TC - Tinned Copper

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
Silicone Rubber	.030

**Overall Cable**

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White

Overall Nominal Diameter: 0.199 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-70°C To +150°C
Bulk Cable Weight:	26 lbs/1000 ft.
Max. Recommended Pulling Tension:	27 lbs.
Min. Bend Radius/Minor Axis:	2 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

AWM Specification:	UL Style 4516 (600 V 150°C)
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes

## ENGLISH MEASUREMENT VERSION

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

MII Order #39 (China RoHS): Yes

Other Specification: NEMA HP3

**Plenum/Non-Plenum**

Plenum (Y/N): No

**Electrical Characteristics (Overall)****Nom. Inductance:**

Inductance (µH/ft)

.2

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)

22

**Nom. Capacitance Cond. to Other Conductor & Shield:**

Capacitance (pF/ft)

40

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

17.5

**Max. Operating Voltage - Non-UL:**

Voltage	Description
350 V RMS	Between Conductors
2000 V DC	Through Jacket

**Max. Recommended Current:**

Current

2.8 Amps per conductor @ 25°C

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83394 002U500	500 FT	14.500 LB	RED		2 #22 FEP SILICONE
83394 002500	500 FT	14.500 LB	RED	C	2 #22 FEP FS SIL

**Notes:**

C = CRATE REEL PUT-UP.

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