

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

 For more Information
 please call

1-800-Belden1

**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

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (in.)
FEP - Fluorinated Ethylene Propylene	.015

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 Lay Length & Direction:**

Length (in.)	Twists (ft.)
1.5	8

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: 22.500 lbs/1000 ft.

Max. Recommended Pulling Tension: 27 lbs.

Min. Bend Radius (Install)/Minor Axis: 2 in.
Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

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AWM Specification:	UL Style 4516 (600 V 150°C)
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EU CE Mark:	Yes
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
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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 - UL:

Voltage	Description
2000 V DC	through jacket
350 V RMS	between conductors

Max. Recommended Current:

Current
2.8 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

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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