

83393 Multi-Conductor - Control and Instrumentation Cable, 2 Conductors Cabled

For more Information
please call

1-800-Belden1



Description:

20 AWG stranded (7x28) TC conductors, twisted pair, 20 AWG (7x28) 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	20	7x28	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
FEP - Fluorinated Ethylene Propylene	.020

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
20	7x28	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
Silicone Rubber	.037

Overall Cable

Overall Cabling Lay Length & Direction:

Length (in.)	Twists (ft.)
1.62	7.4

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 0.242 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +150°C

Bulk Cable Weight: 34 lbs/1000 ft.

Max. Recommended Pulling Tension: 25.200 lbs.

Min. Bend Radius (Install)/Minor Axis: 2.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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AWM Specification:	UL Style 4516 (600 V 150°C)
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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/ft)
.20

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)
10.5

Max. Operating Voltage - UL:

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

Max. Recommended Current:

Current
3.8 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
83393 004500	500 FT	19.500 LB	YELLOW	C	1 PR #20 FEP FS SIL

Notes:

C = CRATE REEL PUT-UP.

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