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83393



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

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.

**For more Information
Please call**

1-800-Belden1



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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.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	20	7x28	TC - Tinned Copper

Total Number of Conductors:

2

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 (%)
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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 Fillers:

Fiberglass yarn

Overall Cabling Lay Length & Direction:

Length (in.)	Direction	Twists (twist/ft)
1.625	Left Hand	7.400

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:

36 lbs/1000 ft.

Max. Recommended Pulling Tension:

25.200 lbs.

Min. Bend Radius/Minor Axis:

2.500 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

CA Prop 65 (CJ for Wire & Cable):

Yes

MIL Order #39 (China RoHS):

Yes

Other Specification:

NEMA HP3

Flame Test

UL Flame Test: VW-1 (Singles)

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance ($\mu\text{H}/\text{ft}$)

.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
600 V RMS	UL AWM 4516

Max. Operating Voltage - Other:

Voltage	Description
2000V DC	Shield to ground through jacket

Max. Recommended Current:

Description	Current
10C Temperature Rise	3.8 Amps per conductor @ 25°C ambient

Close

Revision Number: 3 Revision Date: 08-06-2013

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