

8132FO Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/485



For more Information
please call

1-800-Belden1



Description:

28 AWG stranded (7x36) TC conductors, Datalene® insulation, twisted pairs, overall Beldfoil shield (100% coverage), 28 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
2	28	7x36	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material
Datalene®	FPE - Foam Polyethylene

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire	Conductor Material
28	7x36		TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.215 in.

Pair

Pair Color Code Chart:

Number	Color
1	White/Blue & Blue/White
2	White/Orange & Orange White

Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
1.250	15.600

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +80°C
Non-UL Temperature Rating:	80°C (UL AWM Style 2919)
Bulk Cable Weight:	30 lbs/1000 ft.
Min. Bend Radius (Install)/Minor Axis:	2.250 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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NEC/(UL) Specification:	CL2
AWM Specification:	UL Style 2919 (30 V 80°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):	01/01/2004
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

Flame Test

UL Flame Test:	UL1685 UL Loading
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Plenum/Non-Plenum

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

Nom. Characteristic Impedance:

Impedance (Ohm)

120

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

11

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

20

Nominal Velocity of Propagation:

VP (%)

78

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

65

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

23.1

Max. Operating Voltage - UL:

Voltage

30 V RMS (UL AWM Style 2919); 150 V RMS

Max. Recommended Current:

Current

1 Amp per conductor @ 25°C

Notes (Overall)

Notes: Datalene® insulation features include low dielectric constant and a dissipation factor for high-speed, low distortion data handling. Physical properties include good crush resistance and light weight.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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8132FO 0601000	1,000 FT	20.000 LB	CHROME	C	2 PR #28 FHDPE SH PVC
8132FO 060500	500 FT	8.500 LB	CHROME	C	2 PR #28 FHDPE SH PVC

Notes:

C = CRATE REEL PUT-UP.

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