

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



For more Information  
please call

1-800-Belden1



### General 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

Total Number of Conductors: 4

#### Insulation

##### Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (mm)
Datalene®	FPE - Foam Polyethylene	0.381

#### 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	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.889

#### Overall Cable

Overall Nominal Diameter: 5.461 mm

#### Pair

##### Pair Color Code Chart:

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

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +80°C
Non-UL Temperature Rating:	80°C (UL AWM Style 2919)
Bulk Cable Weight:	25.299 Kg/Km
Min. Bend Radius/Minor Axis:	57.150 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL2

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**AWM Specification:** UL Style 2919 (30 V 80°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):** 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

### Plenum/Non-Plenum

**Plenum (Y/N):** No

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

**Impedance (Ohm)**

120

### Nom. Capacitance Conductor to Conductor:

**Capacitance (pF/m)**

36.091

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

**Capacitance (pF/m)**

65.62

### Nominal Velocity of Propagation:

**VP (%)**

78

### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/km)**

213.265

### Nominal Outer Shield DC Resistance:

**DCR @ 20°C (Ohm/km)**

75.7911

### Max. Operating Voltage - UL:

Voltage	Description
150 V RMS	CL2
30 V RMS	UL AWM Style 2919

### 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.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8132FO 0601000	1,000 FT	20.000 LB	CHROME	C	2 PR #28 FHDPE SH PVC
8132FO 060500	500 FT	10.000 LB	CHROME	C	2 PR #28 FHDPE SH PVC

## METRIC MEASUREMENT VERSION

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

**Notes:**

C = CRATE REEL PUT-UP.

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