

## 82740 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information  
please call

1-800-Belden1



### General Description:

18 AWG stranded (19x30) tinned copper conductors, plenum, FEP insulation, twisted pair, Flammarrest® jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
1	18	19x30	TC - Tinned Copper

Total Number of Conductors: 2

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.1778

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Flammarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.381

#### Overall Cable

Overall Nominal Diameter: 3.632 mm

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & Red

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

Bulk Cable Weight: 22.323 Kg/Km

Max. Recommended Pulling Tension: 222.410 N

Min. Bend Radius/Minor Axis: 38.100 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL3P, CMP

CEC/C(UL) Specification: CMP

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

METRIC MEASUREMENT VERSION

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EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
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

### Flame Test

UL Flame Test:	NFPA 262
CSA Flame Test:	FT6

### Plenum/Non-Plenum

Plenum (Y/N):	Yes
Plenum Number:	9740

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

72

### Nom. Inductance:

Inductance (µH/m)

0.45934

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

65.62

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

18.0455

### Max. Operating Voltage - UL:

Voltage

300 V RMS

### Max. Recommended Current:

Current

5.4 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
82740 877U1000	1,000 FT	17.000 LB	NATURAL		1 PR #18 FEP FLMRST
82740 8771000	1,000 FT	17.000 LB	NATURAL	C	1 PR #18 FEP FLMRST
82740 8775000	5,000 FT	80.000 LB	NATURAL		1 PR #18 FEP FLMRST

### Notes:

C = CRATE REEL PUT-UP.

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## **82740 Multi-Conductor - Audio, Control and Instrumentation Cable**

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