

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

For more Information  
please call

1-800-Belden1

**Description:**

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

**Physical Characteristics (Overall)****Conductor****AWG:**

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

**Insulation****Insulation Material:**

Insulation Material	Wall Thickness (in.)
FEP - Fluorinated Ethylene Propylene	.007

**Outer Shield****Outer Shield Material:**

Outer Shield Material
Unshielded

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.015

**Overall Cable**

**Overall Nominal Diameter:** 0.143 in.

**Pair****Pair Color Code Chart:**

Number	Color
1	Black & Red

**Mechanical Characteristics (Overall)**

**Operating Temperature Range:** 0°C To +75°C

**Bulk Cable Weight:** 17.400 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 50 lbs.

**Min. Bend Radius (Install)/Minor Axis:** 1.500 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

**NEC/(UL) Specification:** CMP

**CEC/C(UL) Specification:** CMP

**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):** 10/01/2005

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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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**Flame Test**

UL Flame Test:	NFPA 262
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C(UL) Flame Test:	FT6
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**Plenum/Non-Plenum**

Plenum (Y/N):	Yes
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Plenum Number:	9740
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**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
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72
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**Nom. Inductance:**

Inductance (µH/ft)
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0.14
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**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)
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20
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**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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5.5
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**Max. Operating Voltage - UL:**

Voltage
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300 V RMS
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**Max. Recommended Current:**

Current
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5.4 Amps per conductor @ 25°C
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**Related Documents:**

No related documents are available for this product

**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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