

89740 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, FEP 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)
Teflon®	FEP - Fluorinated Ethylene Propylene	0.2286

Overall Cable

Overall Nominal Diameter: 3.353 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

Mechanical Characteristics (Overall)

Operating Temperature Range:	-70°C To +200°C
Bulk Cable Weight:	22.323 Kg/Km
Max. Recommended Pulling Tension:	217.962 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):	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
MII Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	NFPA 262
CSA Flame Test:	FT6

Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-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

Notes (Overall)

Notes: For use in indoor plenum environments but also suitable for outdoor and underground applications. Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89740 002100	100 FT	3.000 LB	RED	C	2#18 FEP FEP
89740 0021000	1,000 FT	16.000 LB	RED	C	2#18 FEP FEP
89740 0023000	3,000 FT	48.000 LB	RED	C Z	2#18 FEP FEP
89740 002500	500 FT	9.000 LB	RED	C	2#18 FEP FEP
89740 0025000	5,000 FT	80.000 LB	RED	C Z	2#18 FEP FEP

Notes:

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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Revision Number: 2 Revision Date: 09-20-2012

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