

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



89740 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, 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 CE Mark: Yes

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

EU Directive 2002/95/EC (RoHS): Yes

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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	30 MT	1.361 KG	RED	C	2#18 FEP FEP
89740 0021000	305 MT	7.258 KG	RED	C	2#18 FEP FEP
89740 002500	152 MT	4.082 KG	RED	C	2#18 FEP FEP

Notes:

C = CRATE REEL PUT-UP.

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