Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

9740 Multi-Conductor - Audio, Control and Instrumentation Cable

For more Information please call

1-800-Belden1

Description:

18 AWG stranded (16x30) tinned copper conductors, PVC insulation, twisted pairs, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	18	16x30	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.014

Inner Shield

Inner Shield Material:

Inner Shield Material
Unshielded

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.032

Overall Cabling

Overall Nominal Diameter:	0.210 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
2.000	6.000

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
Non-UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	22.400 lbs/1000 ft.
Max. Recommended Pulling Tension:	45 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.250 in.

勝 特 力 材 料 886-3-5753170
胜特力电子(上海) 86-21-54151736
胜特力电子(深圳) 86-755-83298787
Http://www.100y.com.tw

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (300 V 80°C)
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):	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

C(UL) Flame Test:	FT4

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	89740, 87740, 82740

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
25.5

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
6.86

Max. Operating Voltage - UL:

Voltage
300 V RMS (UL AWM Style 2464)

Max. Recommended Current:

Current
4.8 Amps per conductor @ 20°C

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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9740 060U1000	1,000 FT	24.000 LB	CHROME		2 #18 PVC FRPVC
9740 060U500	500 FT	12.500 LB	CHROME		2 #18 PVC FRPVC
9740 0601000	1,000 FT	24.000 LB	CHROME	C	2 #18 PVC FRPVC
9740 060500	500 FT	12.500 LB	CHROME	C	2 #18 PVC FRPVC

Notes:
C = CRATE REEL PUT-UP.

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