Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

9641 Multi-Conductor - Computer Cable for EIA RS-232 Applications

For more Information
please call

1-800-Belden1

General Description:

26 AWG stranded (7x34)and 24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, overall Beldfoil (100% Coverage) plus inned copper braid shield (90% Coverage), drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
	6	26	7x34	TC - Tinned Copper
10		26	7x34	TC - Tinned Copper
1		24	7x32	TC - Tinned Copper

Total Number of Conductors: 23

Insulation

Insulation Material:

Insulation Material
S-R PVC - Semi-Rigid Polyvinyl Chloride

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Tape/Braid	TC - Tinned Copper	90

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
26	7x34	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Cabling Color Code Chart:

Number	Color	AWG	Group/Cond. Color
1	Blue and White/Gray	26	Pair
2	Purple and White/Black/Brown	26	Pair
3	Gray and White/Black/Red	26	Pair
4	White and White/Black/Orange	26	Pair
5	White/Black and White/Black/Yellow	26	Pair
6	White/Brown and White/Black/Green	26	Pair
7	Brown	26	Conductor
8	Red	26	Conductor
9	Orange	26	Conductor
10	Yellow	26	Conductor
11	Lt. Green	26	Conductor
12	White/Orange	26	Conductor
13	White/Yellow	26	Conductor
14	White/Green	26	Conductor
15	White/Blue	26	Conductor

16	White/Purple	26	Conductor
17	White/Black/Blue	24	Conductor

Overall Cabling Separator Material:	Polyester
Overall Nominal Diameter:	8.890 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	105.662 Kg/Km
Max. Recommended Pulling Tension:	622.748 N
Min. Bend Radius/Minor Axis:	88.900 mm

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)
CSA Specification:	AWM I A
EU Directive 2011/65/EU (ROHS II):	Yes
IEEE Specification:	488
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
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

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/km)
24 AWG	76.4473
26 AWG	122.381

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
8.5306

Max. Operating Voltage - UL:

Voltage
300 V RMS (UL AWM Style 2464)

Max. Recommended Current:

Current
0.6 Amps per conductor @ 25°C (26 AWG)
1.1 Amps per conductor @ 25°C (24 AWG)

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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9641 0081000	305 MT	37.195 KG	GRAY	C	23 CONDR IEEE 488 CABLE

Notes:
C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 04-11-2008