

## 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

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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.

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