



**Product:** [9641](#)

IEEE-488, #26-6pr+10c, #24-1c, SR-PVC, O/A Foil+Braid, PVC Jkt, CMG

### Product Description

Computer EIA RS-488 Cable, 26 AWG stranded (7x34) and 24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, overall Beldfoil® (100% Coverage) + Tinned copper braid shield (90% Coverage), drain wire, PVC jacket.

### Technical Specifications

#### Product Overview

Suitable Applications:	IEEE 488 interface; computer communications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; panel wiring
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#### Construction Details

##### Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	6	26 AWG	7x34	TC - Tinned Copper
Conductor(s)	10	26 AWG	7x34	TC - Tinned Copper
Conductor(s)	1	24 AWG	7x32	TC - Tinned Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.01 in (0.25 mm)	0.039 in mm	Blue & White/Gray, Purple & White/Black/Brown, Gray & White/Black/Red, White & White/Black/Orange, White/Black & White/Black/Yellow, White/Brown & White/Black/Green
Conductor(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.01 in (0.25 mm)	0.039 in in	Red, Orange, Yellow, Lt. Green, White/Orange, White/Yellow, White/Green, White/Blue, White/Purple
Conductor(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)			White/Black/Blue

##### Inner Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC

##### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	26 AWG (7x34) TC
Braid	Tinned Copper (TC)	90%	

##### Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Polyester Tape	PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.350 in

Overall Cable Diameter (Nominal):	0.350 in
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#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Max. Current
Pair(s)	46.17 Ohm/1000ft	1.12 Amps per Conductor at 25°C (26 AWG)
Conductor(s)	45.5 Ohm/1000ft (149 Ohm/km)	1.1 Amps per Conductor at 25°C (26 AWG)
Conductor(s)	28.2 Ohm/1000ft (92.5 Ohm/km)	3.36 Amps per Conductor at 25°C (24 AWG)

## Voltage

UL Voltage Rating
300 V (CMG), 300 V (AWM 2464)

## Mechanical Characteristics

### Temperature

UL Temperature	Operating
80°C	-20°C To +80°C

### Bend Radius

Stationary Min.	Installation Min.
3.5 in (89 mm)	3.5 in

Max. Pull Tension:	86 lbs (39 kg)
Bulk Cable Weight:	74 lbs/1000ft

## Standards and Compliance

Flammability / Reaction to Fire:	UL 1685 FT4 loading, FT4, FT4
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	AWM 2464, AWM I A
CEC / C(UL) Compliance:	CMG
IEEE Compliance:	488
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.382 Revision Date: 04-08-2022
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC
9641 0081000	Gray	Reel	1,000 ft	612825256861

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