

8302 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232 Applications



For more Information
please call

1-800-Belden1

**Description:**

22 AWG stranded (7x30) tinned copper conductors, semi-rigid PVC insulation, twisted pairs, overall Beldfoil® (100% coverage) + tinned copper braid shield (65% coverage), PVC jacket.

Physical Characteristics (Overall)**Conductor**

AWG:

# Pairs	AWG	Stranding	Conductor Material
2	22	7x30	TC - Tinned Copper

Insulation

Insulation Material:

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

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	65

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.280 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White

Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
0.800	14.000

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	39 lbs/1000 ft.
Min. Bend Radius (Install)/Minor Axis:	2.750 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG

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AWM Specification:	UL Style 2464 (300 V 80°C)
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EU CE Mark:	Yes
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Flame Test

C(UL) Flame Test:	FT4
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)

70

Nom. Inductance:

Inductance (μH/ft)

.175

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

40

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

72

Nominal Velocity of Propagation:

VP (%)

60

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

15.0

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

5.7

Max. Operating Voltage - UL:

Voltage

300 V RMS (UL AWM Style 2464)

Max. Recommended Current:

Current

2.4 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8302 060100	100 FT	4.600 LB	CHROME		2 PR #22 PVC SHLD PVC

ENGLISH MEASUREMENT VERSION

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8302 0601000	1,000 FT	42.000 LB	CHROME	C	2 PR #22 PVC SHLD PVC
8302 060500	500 FT	19.000 LB	CHROME	C	2 PR #22 PVC SHLD PVC
8302 0605000	5,000 FT	200.000 LB	CHROME		2 PR #22 PVC SHLD PVC

Notes:

C = CRATE REEL PUT-UP.

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