

82509 Multi-Conductor - Computer Cable for EIA RS-232 Applications



For more Information
please call

1-800-Belden1

**Description:**

24 AWG stranded (7x32) tinned copper conductors, plenum, FEP insulation, twisted pair, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain wire, Flammarrest® jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material
9	24	7x32	TC - Tinned Copper

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (in.)
FEP - Fluorinated Ethylene Propylene	.006

Outer Shield**Outer Shield Material:**

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire	Conductor Material
24	7x32		TC - Tinned Copper

Outer Jacket**Outer Jacket Material:**

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)
Flammarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.015

Overall Cable

Overall Nominal Diameter: 0.246 in.

Pair**Pair Color Code Chart:**

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown
7	Black & Orange
8	Red & White
9	Red & Green

Pair Lay Length & Direction:

Lay Length (in.)
2.500

Mechanical Characteristics (Overall)

Operating Temperature Range: 0°C To +75°C

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Bulk Cable Weight:	45.900 lbs/1000 ft.
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Max. Recommended Pulling Tension:	110 lbs.
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Min. Bend Radius (Install)/Minor Axis:	2.500 in.
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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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

UL Flame Test:	NFPA 262
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C(UL) Flame Test:	FT6
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (μH/ft)

.17

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

23

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

42

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

24.1

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

15

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

1.5 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

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Item #	Putup	Ship Weight	Color	Notes	Item Desc
82509 8771000	1,000 FT	49.000 LB	NATURAL	C	9 PR #24 FEP FS FLRST

Notes:

C = CRATE REEL PUT-UP.

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