

82504 Multi-Conductor - Computer Cable for EIA RS-232 Applications



For more Information
please call

1-800-Belden1

**General Description:**

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

Physical Characteristics (Overall)**Conductor**

AWG:

# Pairs	AWG	Stranding	Conductor Material
4	24	7x32	TC - Tinned Copper

Total Number of Conductors: 8

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.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.014

Overall Cable

Overall Nominal Diameter: 0.193 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & White
2	Black & Red
3	Black & Green
4	Black & Blue

Mechanical Characteristics (Overall)

Operating Temperature Range: 0°C To +60°C

Bulk Cable Weight: 22 lbs/1000 ft.

Max. Recommended Pulling Tension: 50 lbs.

Min. Bend Radius/Minor Axis: 2 in.

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

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

EU Directive 2011/65/EU (ROHS II): Yes

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): 04/01/2005

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EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	NFPA 262
CSA Flame Test:	FT6

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)
25

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
45

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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
82504 877U1000	1,000 FT	24.000 LB	NATURAL		4PR#24 FEP FS FLMRST
82504 8771000	1,000 FT	26.000 LB	NATURAL	C	4 PR #24 FEP FS FLMRST

Notes:

C = CRATE REEL PUT-UP.

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