

## 82506 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
6	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: 0.209 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

**Pair Lay Length & Direction:**

Lay Length (in.)
2.500

**Mechanical Characteristics (Overall)**

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

Bulk Cable Weight: 35.100 lbs/1000 ft.

Max. Recommended Pulling Tension: 71 lbs.

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Min. Bend Radius (Install)/Minor Axis: 2 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/UL Specification: CMP

CEC/C(UL) Specification: CMP

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

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

## Flame Test

UL Flame Test: NFPA 262

C(UL) Flame Test: FT6

## Plenum/Non-Plenum

Plenum (Y/N): Yes

## Electrical Characteristics (Overall)

## Nom. Inductance:

Inductance (μH/ft)

.17

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

25

## Nom. Capacitance Cond. to Other Conductor &amp; 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

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
82506 877U500	500 FT	17.500 LB	NATURAL		6 PR #24 FEP FS FLMRST
82506 8771000	1,000 FT	35.000 LB	NATURAL	C	6 PR #24 FEP FS FLMRST

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**Notes:**

C = CRATE REEL PUT-UP.

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