

## 82512 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, Flamarrest® jacket.

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

# Conductors	# Pairs	AWG	Stranding	Conductor Material
1	12	24	7x32	TC - Tinned Copper

**Total Number of Conductors:** 25

**Insulation****Insulation Material:**

Insulation Material	Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.1524

**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 (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.381

**Overall Cable**

**Overall Nominal Diameter:** 7.061 mm

**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
10	Red & Blue
11	Red & Yellow
12	Red & Brown
Single Conductor+	Yellow

**Pair Lay Length & Direction:**

Lay Length (mm)
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63.5

## Mechanical Characteristics (Overall)

Operating Temperature Range:	0°C To +60°C
Bulk Cable Weight:	83.488 Kg/Km
Max. Recommended Pulling Tension:	636.093 N
Min. Bend Radius/Minor Axis:	76.200 mm

## 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):	10/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & 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
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## Electrical Characteristics (Overall)

## Nom. Inductance:

 Inductance (μH/m)  
 0.55777

## Nom. Capacitance Conductor to Conductor:

 Capacitance (pF/m)  
 75.463

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

 Capacitance (pF/m)  
 137.802

## Nom. Conductor DC Resistance:

 DCR @ 20°C (Ohm/km)  
 49.215

## 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
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## METRIC MEASUREMENT VERSION

### 82512 Multi-Conductor - Computer Cable for EIA RS-232 Applications

82512 8771000	305 MT	27.216 KG	NATURAL	C	12H PR #24 FEP FS FLMRST
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**Notes:**

C = CRATE REEL PUT-UP.

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