

## 82503 Paired - Computer Cables for EIA RS-232 Applications



### Description:

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

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

Number of Pairs	3
Total Number of Conductors	6
AWG	24
Stranding	7x32
Conductor Material	TC - Tinned Copper

#### INSULATION:

Insulation Material	FEP - Fluorinated Ethylene Propylene
Nom. Insulation Wall Thickness	.006 in.
Lay Length	2.5 in.

#### Pair Color Code Chart :

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

#### OUTER SHIELD:

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

#### OUTER SHIELD DRAIN WIRE :

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

#### OUTER JACKET:

Outer Jacket Material Trade Name	Flamarrest®
Outer Jacket Material	LS PVC - Low Smoke Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	.014 in.



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**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	.169 in.
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**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	0°C To +60°C
Bulk Cable Weight	18.1 lbs/1000 ft.
Max. Recommended Pulling Tension	39 lbs.
Min. Bend Radius (Install)	1.8 in.

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

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

**FLAME TEST:**

UL Flame Test	UL910 Steiner Tunnel
C(UL) Flame Test	FT6

**PLENUM/NON-PLENUM:**

Plenum (Y/N)	Y
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**ELECTRICAL CHARACTERISTICS:**

Nom. Inductance	.17 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	25 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	45 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	24.1 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	15 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	1.5 Amps per conductor @ 25°C

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
82503 8771000	3 PR #24 FEP FS FLMRST	1000	20	NATURAL	C Z
82503 877U1000	3 PR #24 FEP FS FLMRST	U1000	19	NATURAL	O

C = CRATE REEL PUT-UP.

O = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR UNREEL CARTONS FROM LENG .

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 1      Revision Date: 10-29-2003

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