

## 82723 Multi-Conductor - Double-Pair Cable

For more Information  
please call

1-800-Belden1

**General Description:**

22 AWG stranded (7x30) TC conductors, plenum, FEP insulation, twisted pairs, individually shielded w/Beldfoil® (100% coverage), 22 AWG stranded TC drain wire, Flamarrest® jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

# Pairs	AWG	Stranding	Conductor Material
2	22	7x30	TC - Tinned Copper

Total Number of Conductors:

4

**Insulation**

Insulation Material:

Insulation Material	Wall Thickness (in.)
FEP - Fluorinated Ethylene Propylene	0.007

**Inner Shield**

Inner Shield Material:

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

Inner Shield Drain Wire AWG:

AWG
24

Inner Shield Drain Wire Stranding:

7x32

Inner Shield Drain Wire Conductor Material:

TC - Tinned Copper

**Outer Shield**

Outer Shield Material:

Outer Shield Material
Unshielded

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.017

**Overall Cable**

Overall Nominal Diameter:

0.153 in.

**Pair**

Pair Color Code Chart:

Number	Color
1	Red & Black
2	Green & White

**Mechanical Characteristics (Overall)**

Operating Temperature Range:

-20°C To +90°C

Bulk Cable Weight:

19 lbs/1000 ft.

Max. Recommended Pulling Tension:

46 lbs.

Min. Bend Radius/Minor Axis:

1.750 in.

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

NEC/(UL) Specification:

CMP

NEC Articles:

800

CEC/C(UL) Specification:

CMP

## 82723 Multi-Conductor - Double-Pair Cable

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

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

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

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

MIL Order #39 (China RoHS): Yes

## Flame Test

UL Flame Test: NFPA 262

CSA Flame Test: FT6

## Suitability

Suitability - Indoor: Yes

## Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 8723

## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

Impedance (Ohm)

36

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

43

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

Capacitance (pF/ft)

75

## Nominal Velocity of Propagation:

VP (%)

62

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

14.7

## Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

15

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

Description

Current

10C temperature rise 2.3 Amps per conductor @25°C ambient

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
82723 877U1000	1,000 FT	20.000 LB	NATURAL		2 PR #22 FEP FS FLRST
82723 877U2000	2,000 FT	40.000 LB	NATURAL		2 PR #22 FEP FS FLRST
82723 877U500	500 FT	10.500 LB	NATURAL		2 PR #22 FEP FS FLRST
82723 8771000	1,000 FT	20.000 LB	NATURAL	C	2 PR #22 FEP FS FLRST
82723 8775000	5,000 FT	100.000 LB	NATURAL		2 PR #22 FEP FS FLRST

## Notes:

C = CRATE REEL PUT-UP.

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