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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

CFC/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
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

**Suitability**

Suitability - Indoor:	Yes
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**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 & 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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