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1-800-Belden1



## Description:

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

## Physical Characteristics (Overall)

### Conductor

AWG:

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

### Insulation

Insulation Material:

Insulation Material
FEP - Fluorinated Ethylene Propylene

### 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
Flammarrest®	LS PVC - Low Smoke Polyvinyl Chloride

## Overall Cabling

Overall Nominal Diameter: 3.886 mm

### Pair

Pair Color Code Chart:

Number	Color
1	Red & Black
2	Green & White

Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)
38.09985	26.248

## Mechanical Characteristics (Overall)

Operating Temperature Range: 0°C To +80°C

<b>Bulk Cable Weight:</b>	26.341 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	204.617 N
<b>Min. Bend Radius (Install)/Minor Axis:</b>	38.100 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CMP
<b>CEC/C(UL) Specification:</b>	CMP
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	04/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

### Flame Test

<b>UL Flame Test:</b>	NFPA 262
<b>C(UL) Flame Test:</b>	FT6

### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	Yes
<b>Non-Plenum Number:</b>	8723

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

36

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

141.083

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

Capacitance (pF/m)

246.075

### Nominal Velocity of Propagation:

VP (%)

62

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

48.2307

### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)

49.215

### Max. Operating Voltage - UL:

Voltage

300 V RMS

### Max. Recommended Current:

Current

2.3 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
82723 877U1000	305 MT	9.072 KG	NATURAL		2 PR #22 FEP FS FLRST
82723 877U2000	610 MT	18.144 KG	NATURAL		2 PR #22 FEP FS FLRST
82723 877U500	152 MT	4.763 KG	NATURAL		2 PR #22 FEP FS FLRST
82723 8771000	305 MT	8.618 KG	NATURAL	C	2 PR #22 FEP FS FLRST
82723 8775000	1,524 MT	45.359 KG	NATURAL		2 PR #22 FEP FS FLRST

**Notes:**

C = CRATE REEL PUT-UP.

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