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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 (mm)
FEP - Fluorinated Ethylene Propylene	0.178

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 (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.432

Overall Cable

Overall Nominal Diameter: 3.886 mm

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: 28.276 Kg/Km

Max. Recommended Pulling Tension: 204.617 N

Min. Bend Radius/Minor Axis: 44.450 mm

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/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:

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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