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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, Flamarrest® 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
Flamarrest®	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

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

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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
MII Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	NFPA 262
C(UL) Flame Test:	FT6

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:

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.

Revision Number: 2 Revision Date: 12-30-2010

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