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1-800-Belden1



## Description:

24 AWG stranded (7x32) TC conductors, plenum, FEP insulation, twisted pair, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain wire, Flamarrest® jacket.

## Physical Characteristics (Overall)

### Conductor

#### AWG:

# Pairs	AWG	Stranding	Conductor Material
1	24	7x32	TC - Tinned Copper

Total Number of Conductors: 2

### Insulation

#### Insulation Material:

Insulation Material	Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.1524

### Outer Shield

#### Outer Shield Material:

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

#### Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	7x32	TC - Tinned Copper

### Outer Jacket

#### Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.3556

### Overall Cable

Overall Nominal Diameter: 2.692 mm

### Pair

#### Pair Color Code Chart:

Number	Color
1	Black & Red

## Mechanical Characteristics (Overall)

Operating Temperature Range: 0°C To +60°C

Bulk Cable Weight: 11.906 Kg/Km

Max. Recommended Pulling Tension: 71.171 N

Min. Bend Radius/Minor Axis: 31.750 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
CSA Flame Test:	FT6

### Plenum/Non-Plenum

Plenum (Y/N):	Yes
Plenum Number:	88641
Non-Plenum Number:	8641

## Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/m)
0.55777

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
101.711

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

Capacitance (pF/m)
193.579

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
79.0721

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
55.777

#### Max. Operating Voltage - UL:

Voltage
300 V RMS

#### Max. Recommended Current:

Current
2.2 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
82641 877U1000	305 MT	4.082 KG	NATURAL		1 PR #24 FEP FS FLMRST
82641 8771000	305 MT	4.536 KG	NATURAL	C	1 PR #24 FEP FS FLMRST

#### Notes:

C = CRATE REEL PUT-UP.

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