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1-800-Belden1



### Description:

24 AWG stranded (7x32) TC conductors, polyethylene insulation, twisted pair, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

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

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)
PE - Polyethylene	0.4064

#### 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 Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.635

#### Overall Cabling

Overall Nominal Diameter: 4.267 mm

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & Clear

##### Pair Lay Length & Direction:

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

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	60°C (UL AWM Style 2092)
Bulk Cable Weight:	18.007 Kg/Km
Max. Recommended Pulling Tension:	48.930 N
Min. Bend Radius (Install)/Minor Axis:	43.180 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2092 (300 V 60°C)
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):	01/01/2004
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:	UL1685 UL Loading
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#### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	88641, 82641

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

80

#### Nom. Inductance:

Inductance (µH/m)

0.72182

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

72.182

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

Capacitance (pF/m)

137.802

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

82.025

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

47.9026

#### Max. Operating Voltage - UL:

Voltage

300 V RMS (UL AWM Style 2092)

#### Max. Recommended Current:

Current

2.2 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
8641 060U1000	305 MT	6.350 KG	CHROME		1 #24 FS PR PE PVC
8641 060U500	152 MT	3.402 KG	CHROME		1 #24 FS PR PE PVC
8641 060100	30 MT	0.907 KG	CHROME		1 #24 FS PR PE PVC
8641 0601000	305 MT	6.350 KG	CHROME	C	1 #24 FS PR PE PVC
8641 0602000	610 MT	12.701 KG	CHROME	C	1 #24 FS PR PE PVC
8641 060500	152 MT	3.175 KG	CHROME		1 #24 FS PR PE PVC
8641 0605000	1,524 MT	29.484 KG	CHROME		1 #24 FS PR PE PVC

**Notes:**

C = CRATE REEL PUT-UP.

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