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1-800-Belden1



## General 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

Total Number of Conductors: 2

### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PE - Polyethylene	0.017

### 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 (in.)
PVC - Polyvinyl Chloride	.025

### Overall Cable

Overall Nominal Diameter: 0.168 in.

### Pair

Pair Color Code Chart:

Number	Color
1	Black & Clear

## Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	60°C (UL AWM Style 2092)
Bulk Cable Weight:	12 lbs/1000 ft.
Max. Recommended Pulling Tension:	11 lbs.
Min. Bend Radius/Minor Axis:	1.750 in.

## 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 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):	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:**

<b>Impedance (Ohm)</b>
80

**Nom. Inductance:**

<b>Inductance (µH/ft)</b>
.22

**Nom. Capacitance Conductor to Conductor:**

<b>Capacitance (pF/ft)</b>
22

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

<b>Capacitance (pF/ft)</b>
42

**Nom. Conductor DC Resistance:**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
25

**Nominal Outer Shield DC Resistance:**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
14.6

**Max. Operating Voltage - UL:**

<b>Voltage</b>
300 V RMS (UL AWM Style 2092)

**Max. Recommended Current:**

<b>Current</b>
2.2 Amps per conductor @ 25°C

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8641 060U1000	1,000 FT	14.000 LB	CHROME		1 #24 FS PR PE PVC
8641 060U500	500 FT	7.500 LB	CHROME		1 #24 FS PR PE PVC
8641 060100	100 FT	2.000 LB	CHROME		1 #24 FS PR PE PVC
8641 0601000	1,000 FT	14.000 LB	CHROME	C	1 #24 FS PR PE PVC
8641 060500	500 FT	7.000 LB	CHROME		1 #24 FS PR PE PVC
8641 0605000	5,000 FT	65.000 LB	CHROME		1 #24 FS PR PE PVC

**Notes:**  
C = CRATE REEL PUT-UP.

Revision Number: 2    Revision Date: 08-14-2012

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