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1-800-Belden1



### Description:

14 AWG stranded (19x27) TC conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100% coverage), 16 AWG stranded TC drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
1	14	19x27	TC - Tinned Copper

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)
PE - Polyethylene	0.8128

#### Outer Shield

##### Outer Shield Material:

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

##### Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire	Conductor Material
16	Stranded	TC	Tinned Copper

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.889

#### Overall Cabling

Overall Nominal Diameter: 9.017 mm

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & Clear

##### Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)
50.7998	19.686

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 20253)
Bulk Cable Weight:	91.524 Kg/Km
Max. Recommended Pulling Tension:	711.712 N
Min. Bend Radius (Install)/Minor Axis:	86.360 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL2

AWM Specification: UL Style 20253 (600 V 80°C)

CSA Specification: II A

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

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

58

### Nom. Inductance:

Inductance (µH/m)

0.6562

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

78.744

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

Capacitance (pF/m)

154.207

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

9.5149

### Max. Operating Voltage - UL:

Voltage

600 V RMS (UL AWM Style 20253); 300 V RMS (CSA)

### Max. Recommended Current:

Current

9.5 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
8720 060U500	152 MT	15.422 KG	CHROME		2 #14 PE FS PVC
8720 0601000	305 MT	32.205 KG	CHROME	C	2 #14 PE FS PVC
8720 0602000	610 MT	61.689 KG	CHROME	C	2 #14 PE FS PVC

## METRIC MEASUREMENT VERSION

### 8720 Multi-Conductor - Single-Pair Cable

8720 060500	152 MT	16.329 KG	CHROME	C	2 #14 PE FS PVC
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**Notes:**

C = CRATE REEL PUT-UP.

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