

METRIC MEASUREMENT VERSION



8720 Multi-Conductor - Single-Pair Cable

For more Information
please call

1-800-Belden1



General 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

Total Number of Conductors: 2

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 Cable

Overall Nominal Diameter: 9.017 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Clear

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 20253)
Bulk Cable Weight:	95.245 Kg/Km
Max. Recommended Pulling Tension:	711.712 N
Min. Bend Radius/Minor Axis:	95.250 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL2

AWM Specification: UL Style 20253 (600 V 80°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

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	Description
600 V RMS	UL AWM 20253
300 V RMS	CSA

Max. Recommended Current:

Current

9.5 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8720 060U500	500 FT	34.000 LB	CHROME		2 #14 PE FS PVC
8720 0601000	1,000 FT	71.000 LB	CHROME	C	2 #14 PE FS PVC
8720 0602000	2,000 FT	136.000 LB	CHROME	C	2 #14 PE FS PVC
8720 060500	500 FT	36.000 LB	CHROME	C	2 #14 PE FS PVC
8720 0605000	5,000 FT	360.000 LB	CHROME	C	2 #14 PE FS PVC

Notes:

C = CRATE REEL PUT-UP.

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