Detailed Specifications & Technical Data

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®)	Таре	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

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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	

No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

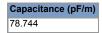


Plenum (Y/N):

Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



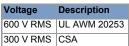
Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 154.207

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 9.5149

Max. Operating Voltage - UL:



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	С	2 #14 PE FS PVC	
8720 0602000	2,000 FT	136.000 LB	CHROME	С	2 #14 PE FS PVC	
8720 060500	500 FT	36.000 LB	CHROME	С	2 #14 PE FS PVC	
8720 0605000	5,000 FT	360.000 LB	CHROME	С	2 #14 PE FS PVC	

Notes:

C = CRATE REEL PUT-UP.

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8720 Multi-Conductor - Single-Pair Cable

Revision Number: 2 Revision Date: 08-15-2012

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