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®)	Tape	Aluminum Foil-Polyester Tape	100	

Outer Shield Drain Wire 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

Page 1 of 3 11-08-2019

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



8720 Multi-Conductor - Single-Pair Cable

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:

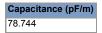


Plenum (Y/N):

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:

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	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.

Page 2 of 3 11-08-2019

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



8720 Multi-Conductor - Single-Pair Cable

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

© 2019 Belden, Inc All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale. Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

Page 3 of 3 11-08-2019