METRIC MEASUREMENT VERSION





9767 Multi-Conductor - CM Rated Cable

For more Information please call

1-800-Belden1



General Description:

22 AWG stranded (7x30) TC conductor, polypropylene insulation, twisted pairs individually shielded with Beldfoil® (100% coverage), overall PVC jacket and 22 AWG stranded TC drain wire.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
37	22	7x30	TC - Tinned Copper	0.762

Total Number of Conductors:

74

Insulation

Insulation Material:

Insulation Material Wall Thickness (mm) PP - Polypropylene | 0.279

Inner Shield

Inner Shield Material:

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

Inner Shield Drain Wire AWG:

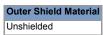


Inner Shield Drain Wire Stranding: Stranded

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Shield

Outer Shield Material:



Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.753

Overall Cable

Overall Nominal Diameter: 20.320 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown
7	Black & Orange
8	Red & White

Page 1 of 4 11-08-2019

METRIC MEASUREMENT VERSION



9767 Multi-Conductor - CM Rated Cable

9	Red & Green
10	Red & Blue
11	Red & Yellow
12	Red & Brown
13	Red & Orange
14	Green & White
15	Green & Blue
16	Green & Yellow
17	Green & Brown
18	Green & Orange
19	White & Blue
20	White & Yellow
21	White & Brown
22 White & Orang	
23	Blue & Yellow
24	Blue & Brown
25	Blue & Orange
26	Brown & Yellow
27 Brown & Orang	
28	Orange & Yellow
29	Purple & Orange
30	Purple & Red
31	Purple & White
32	Purple & Green
33	Purple & Blue
34	Purple & Yellow
35	Purple & Brown
36	Purple & Black
37	Gray & White

Pair Lay Length & Direction:

Lay Length (mm)	Twists (twist/m)
44.45	22.475

lechanical Characteristics (Overall)				
Operating Temperature Range:	-20°C To +80°C			
UL Temperature Rating:	80°C (UL AWM Style 2919)			
Bulk Cable Weight:	584.863 Kg/Km			
Max. Recommended Pulling Tension:	1636.938 N			
Min. Bend Radius/Minor Axis:	203.200 mm			

Applicable Standards & Environmental Programs NEC/(UL) Specification: CM CM CEC/C(UL) Specification: **AWM Specification:** UL Style 2919 (30 V 80°C) Yes EU Directive 2011/65/EU (ROHS II): **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

Page 2 of 4 11-08-2019

METRIC MEASUREMENT VERSION



9767 Multi-Conductor - CM Rated Cable

	MII Order #39 (China RoHS):	Yes
Fla	me Test	
	UL Flame Test:	UL1685 UL Loading
Ple	num/Non-Plenum	
	Plenum (Y/N)·	No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm) 50

Nom. Inductance:

Inductance (µH/m) 0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 98.43

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 180.455

Nominal Velocity of Propagation:

VP (%)66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 49.215

Ind. Pair Nominal Shield DC Resistance @ 20 34.779 Ohm/km Deg. C:

Max. Operating Voltage - UL:

Voltage	Description
30 V RMS	UL AWM Style 2919
300 V RMS	CM

Max. Recommended Current:

Current
1 Amp per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9767 0601000	1,000 FT	458.000 LB	CHROME	CD	37 FS PR #22 HDPE PVC
9767 060500	500 FT	212.500 LB	CHROME	CD	37 FS PR #22 HDPE PVC

Notes:

C = CRATE REEL PUT-UP

D = FINAL PUT-UP LENGTH MAY VARY -0% TO +20% FROM LENGTH SHOWN.

Revision Number: 2 Revision Date: 09-17-2012

© 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.

Page 3 of 4 11-08-2019

METRIC MEASUREMENT VERSION



9767 Multi-Conductor - CM Rated Cable

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 4 of 4 11-08-2019