**ENGLISH MEASUREMENT VERSION** 



### 9767 Multi-Conductor - CM Rated Cable

For more Information please call

1-800-Belden1



# **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)**

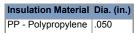
### Conductor

### AWG:

# Pairs	AWG	Stranding	<b>Conductor Material</b>	Dia. (in.)
37	22	7x30	TC - Tinned Copper	.030

### Insulation

### **Insulation Material:**



### **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:

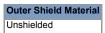


Inner Shield Drain Wire Stranding: Stranded

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

### **Outer Shield**

### **Outer Shield Material:**



### **Outer Jacket**

### **Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

# **Overall Cable**

Overall Nominal Diameter: 0.800 in.

### **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
9	Red & Green

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10 11 12 13	Red & Blue Red & Yellow Red & Brown Red & Orange
12	Red & Brown
13	Ped & Orange
	i teu & 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 & Orange
23	Blue & Yellow
24	Blue & Brown
25	Blue & Orange
26	Brown & Yellow
27	Brown & Orange
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 (in.)	Twists/ft. (twist/ft)
1.750	6.850

Me	Mechanical Characteristics (Overall)				
	Operating Temperature Range:	-20°C To +80°C			
	UL Temperature Rating:	80°C (UL AWM Style 2919)			
	Bulk Cable Weight:	416.300 lbs/1000 ft.			
	Max. Recommended Pulling Tension:	368 lbs.			
	Min. Bend Radius (Install)/Minor Axis:	8.400 in.			

# **Applicable Specifications and Agency Compliance (Overall)**

Applicable Standards & Environmental Programs				
NEC/(UL) Specification:	CM			
CEC/C(UL) Specification:	CM			
AWM Specification:	UL Style 2919 (30 V 80°C)			
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			

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Fla	Flame Test				
	UL Flame Test:	UL1685 UL Loading			
Plenum/Non-Plenum					
	Plenum (Y/N):	No			

### **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Impedance (Ohm) 50

Nom. Inductance:

Inductance (µH/ft) 0.18

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
55

**Nominal Velocity of Propagation:** 

**VP (%)** 66

Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/1000 ft)** 15

Ind. Pair Nominal Shield DC Resistance @ 20

10.600 Ohm/1000 ft

Deg. C:

Max. Operating Voltage - UL:

Voltage 30 V RMS (UL AWM Style 2919) 300 V RMS (CM)

Max. Recommended Current:

Current
1 Amp 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
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.

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