Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9769 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)

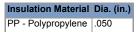
Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
17	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:

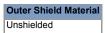


Inner Shield Drain Wire Stranding: Stranded

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: 0.577 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	Red & Blue		
11	Red & Yellow		
12	Red & Brown		
13	Red & Orange		
14	Green & White		
15	Green & Blue		
16	Green & Yellow		
17	Green & Brown		

Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)		
1.750	6.850		

Med	Mechanical Characteristics (Overall)					
	Operating Temperature Range:	-20°C To +80°C				
	UL Temperature Rating:	80°C (UL AWM Style 2919)				
	Bulk Cable Weight:	199.900 lbs/1000 ft.				
	Max. Recommended Pulling Tension:	520 lbs.				
	Min. Bend Radius (Install)/Minor Axis:	5.900 in.				
App	olicable Specifications and Agency Com	pliance (Overall)				
	plicable Standards & Environmental Program	·				
	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				
Flame Test						
	UL Flame Test:	UL1685 UL Loading				
Ple	Plenum/Non-Plenum					

No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm) 50

Nom. Inductance:

Plenum (Y/N):

ioni. muuciance.

Inductance (µH/ft) 0.18

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
30

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
55

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Nominal Velocity of Propagation:

VP (%) 66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 15

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:

10.600 Ohm/1000 ft

Max. Operating Voltage - UL:

Voltage 30 V RMS (UL AWM Style 1354) 300 V RMS (CM)

Max. Recommended Current:

Current 1.4 Amps 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
9769 060100	100 FT	20.800 LB	CHROME	С	17 FS PR #22 HDPE PVC
9769 0601000	1,000 FT	203.000 LB	CHROME	С	17 FS PR #22 HDPE PVC
9769 060500	500 FT	103.000 LB	CHROME	С	17 FS PR #22 HDPE PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-17-2008

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