Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9769 Multi-Conductor - CM Rated Cable

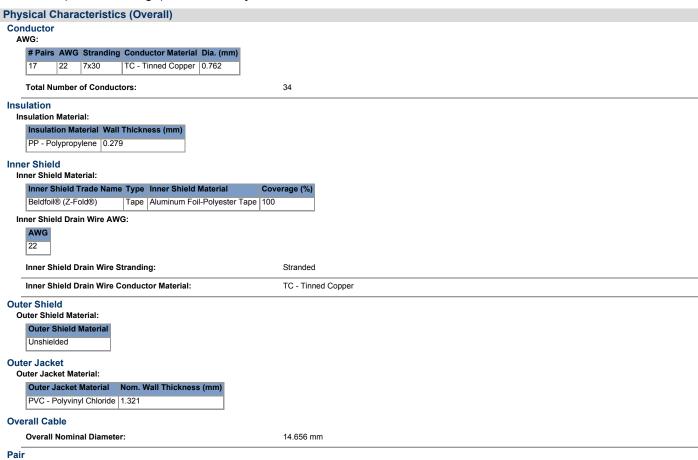
For more Information please call

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.



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
10	Red & Blue
11	Red & Yellow
12	Red & Brown
13	Red & Orange
14	Green & White
15	Green & Blue
16	Green & Yellow

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17 Green & Brown

echanical Characteristics (Overall)					
Operating Temperature Range:	-20°C To +80°C				
UL Temperature Rating:	80°C (UL AWM Style 2919)				
Bulk Cable Weight:	297.491 Kg/Km				
Max. Recommended Pulling Tension:	2313.060 N				
Min. Bend Radius/Minor Axis:	149.860 mm				
pplicable Specifications and Agency Compl	liance (Overall)				
Applicable Standards & Environmental Programs					
NEC/(UL) Specification:	CM				
CEC/C(UL) Specification:	CM				
AWM Specification:	UL Style 2919 (30 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				
lame Test					
UL Flame Test:	UL1685 UL Loading				

No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Plenum (Y/N):

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 Deg. C: 34.779 Ohm/km

Max. Operating Voltage - UL:

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

Max. Recommended Current:

1.4 Amps per conductor @ 25°C

Put Ups and Colors:

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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: 2 Revision Date: 09-17-2012

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11-05-2015