## **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



#### 8769 Multi-Conductor - CM Rated Cables

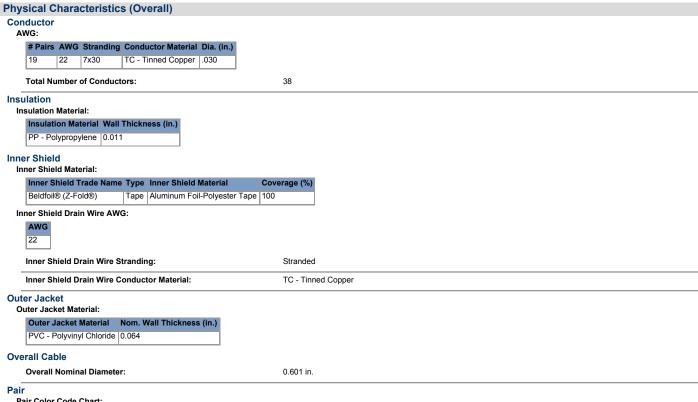
For more Information please call

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			
17	Green & Brown			
18	Green & Orange			
19	White & Blue			

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echanical Characteristics (Overall)				
Operating Temperature Range:	-20°C To +80°C			
UL Temperature Rating:	80°C (UL AWM Style 2919)			
Bulk Cable Weight:	233 lbs/1000 ft.			
Max. Recommended Pulling Tension:	443 lbs.			
Min. Bend Radius/Minor Axis:	6.250 in.			
oplicable Specifications and Agency Compli	ance (Overall)			
pplicable Standards & Environmental Programs				
NEC/(UL) Specification:	CM			
CEC/C(UL) Specification:	СМ			
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			
lenum/Non-Plenum				
Plenum (Y/N):	No			

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

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:

**VP (%)** 

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 10.600 Ohm/1000 ft

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:**

|--|

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8769 060100	100 FT	25.300 LB	CHROME	С	19 FS PR #22 HDPE PVC
8769 0601000	1,000 FT	248.000 LB	CHROME	С	19 FS PR #22 HDPE PVC
8769 060500	500 FT	125.000 LB	CHROME	С	19 FS PR #22 HDPE PVC
8769 0605000	5,000 FT	1,175.000 LB	CHROME		19 FS PR #22 HDPE PVC

Notes:

C = CRATE REEL PUT-UP

Revision Number: 3 Revision Date: 09-17-2012

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

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