Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



8774 Multi-Conductor - CM Rated Cable

For more Information please call

1-800-Belden1



General Description:

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

Physical Characteristics (Overall)

Conductor

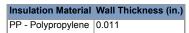
AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
9	22	7x30	TC - Tinned Copper	.030

Total Number of Conductors: 18

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:

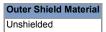


Inner Shield Drain Wire Stranding: Stranded

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Shield

Outer Shield Material:



Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.034

Overall Cable

Overall Nominal Diameter: 0.410 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
<u>'</u>	black & Reu
2	Black & White
3	Black & Green
3	Black & Green
4	Black & Blue
5	Black & Yellow
၁	Black & Yellow
6	Black & Brown

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7	Black & Orange			
8	Red & White			
9	Red & Green			

Operating Temperature Range:	-20°C To +80°C	
UL Temperature Rating:	80°C (UL AWM Style 2919)	
Bulk Cable Weight:	101 lbs/1000 ft.	
Max. Recommended Pulling Tension:	230 lbs.	
Min. Bend Radius/Minor Axis:	4.250 in.	
licable Specifications and Agency (2 11 (2 11)	

Applicable Specifications and Agency Compliance
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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
umo Tost	

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)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

Nominal Velocity of Propagation:

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

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

Max. Operating Voltage - UL:

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

Max. Recommended Current:

Current
1.4 Amps per conductor @25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8774 060100	100 FT	11.000 LB	CHROME		9 FS PR #22 HDPE PVC
8774 0601000	1,000 FT	110.000 LB	CHROME	С	9 FS PR #22 HDPE PVC
8774 060250	250 FT	28.500 LB	CHROME	С	9 FS PR #22 HDPE PVC
8774 060500	500 FT	55.500 LB	CHROME	С	9 FS PR #22 HDPE PVC

Notes:

C = CRATE REEL PUT-UP.

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

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