Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



8774 Multi-Conductor - CM Rated Cable

For more Information please call

1-800-Belden1



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)

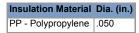
Conductor

AWG:

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

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 Shield Material Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.410 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

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-	1
9	Red & Green

Pair Lay Length & Direction:

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

Me	chanical Characteristics (Overall)	
	Operating Temperature Range:	-20°C To +80°C
	UL Temperature Rating:	80°C (UL AWM Style 2919)
	Bulk Cable Weight:	108.600 lbs/1000 ft.
	Max. Recommended Pulling Tension:	230 lbs.
	Min. Bend Radius (Install)/Minor Axis:	4.125 in.
Ap	plicable Specifications and Agency Com	pliance (Overall)
Ap	plicable Standards & Environmental Prograr	ns
	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
El:	me Test	

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)
.018

Nom. Capacitance Conductor to Conductor:

Capacitance (oF/ft)
30	

Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nom. Conductor DC Resistance:

DCR @ 20°C	(Ohm/1000	ft)
15		

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

Max. Operating Voltage - UL:

Voltage

30 V RMS (UL AWM Style 2919) 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
8774 060100	100 FT	11.000 LB	CHROME		9 FS PR #22 HDPE PVC
8774 0601000	1,000 FT	109.000 LB	CHROME	С	9 FS PR #22 HDPE PVC
8774 060250	250 FT	29.750 LB	CHROME	С	9 FS PR #22 HDPE PVC
8774 060500	500 FT	55.500 LB	CHROME	С	9 FS PR #22 HDPE PVC

10.600 Ohm/1000 ft

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 08-04-2008

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