Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



8777 Multi-Conductor - Shielded Twisted Pair Cable

For more Information please call

1-800-Belden1



Description:

22 AWG stranded (7x30) tinned copper conductors, polypropylene insulation, twisted pairs individually Beldfoil® Shielded (100% coverage), 22 AWG stranded tinned copper drain wire, PVC jacket.

Physical Characteristics (Overall)

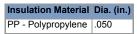
Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
3	22	7x30	TC - Tinned Copper	.030

Insulation

Insulation Material:



Inner Shield

Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
1	Beldfoil®		Aluminum-Polyester	100
2		Tape	Polyester	100

Inner Shield Drain Wire AWG:



Inner Shield Drain Wire Stranding: 7x30

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: 0.273 x 0.000 in.

Pair

Pair Color Code Chart:

Number	Color		
1	Black & Red		
2	Black & White		
3	Black & Green		

Pair Lay Length & Direction:

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

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Me	Mechanical Characteristics (Overall)				
	Operating Temperature Range:	-20°C To +80°C			
	UL Temperature Rating:	80°C (UL AWM Style 2919)			
	Bulk Cable Weight:	40.800 lbs/1000 ft.			
	Max. Recommended Pulling Tension:	79 lbs.			
	Min. Bend Radius (Install)/Minor Axis:	2.750 in.			
Apı	olicable Specifications and Agency Com	pliance (Overall)			
Ap	plicable Standards & Environmental Progran	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			

Yes

Flame Test

UL Flame Test: UL1685 UL Loading

Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 88777, 87777, 82777

Electrical Characteristics (Overall)

MII Order #39 (China RoHS):

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 15.0

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

10.600 Ohm/1000 ft

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Max. Operating Voltage - UL:

Voltage

30 V RMS (UL AWM Style 2919) 300 V RMS (CM)

Max. Recommended Current:

Current

2 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
8777 060U1000	1,000 FT	41.000 LB	CHROME		3 SH PR #22 PP PVC
8777 060U500	500 FT	21.000 LB	CHROME		3 SHLD PR #22 PP PVC
8777 060100	100 FT	4.700 LB	CHROME		3 SHLD PR #22 PP PVC
8777 0601000	1,000 FT	43.000 LB	CHROME	С	3 SHLD PR #22 PP PVC
8777 06010000	10,000 FT	460.000 LB	CHROME	CY	3 SHLD PR #22 PP PVC
8777 0601640	1,640 FT	68.880 LB	CHROME	С	3 SHLD PR #22 PP PVC
8777 060250	250 FT	11.250 LB	CHROME	С	3 SHLD PR #22 PP PVC
8777 0603280	3,280 FT	137.760 LB	CHROME	С	3 SHLD PR #22 PP PVC
8777 060500	500 FT	21.500 LB	CHROME	С	3 SHLD PR #22 PP PVC
8777 0605000	5,000 FT	215.000 LB	CHROME	С	3 SHLD PR #22 PP PVC

Notes:

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

Revision Number: 1 Revision Date: 05-05-2008

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