Detailed Specifications & Technical Data



8777 Multi-Conductor - Shielded Twisted Pair Cable

For more Information please call

1-800-Belden1



General 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	
Total Number of Conductors:	6
Insulation	
Insulation Material:	
Insulation MaterialWall Thickness (in.)PP - Polypropylene0.011	
Inner Shield Inner Shield Material:	
Layer # Inner Shield Trade Name Type Inner Shield	Material Coverage (%)
1 Beldfoil® Tape Aluminum-Po	blyester 100.000
Inner Shield Drain Wire AWG:	
AWG 22	
Inner Shield Drain Wire Stranding:	7x30
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 Nom. Wall Thickness (in.) PVC - Polyvinyl Chloride 0.034	
Overall Cable	
Overall Nominal Diameter:	0.273 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 (twist/ft) Direction	
1.750 6.900 Left Hand	
Mechanical Characteristics (Overall)	
Storage Temperature Range:	-40°C To +80°C
Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2919)
Bulk Cable Weight:	39 lbs/1000 ft.
Max. Recommended Pulling Tension:	79 lbs.
Min. Bend Radius/Minor Axis:	2.750 in.

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Applicable Standards & Environmental Programs	
NEC/(UL) Specification:	СМ
NEC Articles:	800
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
CSA Flame Test:	FT1
Guitability	
Suitability - Indoor:	Yes
lenum/Non-Plenum	
	No
Impedance (Ohm) 50	No 88777, 87777, 82777
Plenum Number: Impedance Impedance: Impedance (Ohm) 50 Iom. Inductance: Inductance (µH/ft) 0.18 Iom. Capacitance Conductor to Conductor: Capacitance (pF/ft) 30 Iom. Capacitance Cond. to Other Conductor & Shield: Capacitance (pF/ft) 55 Iominal Velocity of Propagation: VP (%) 66	
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lt	tem #	Putup	Ship Weight	Color	Notes	Item Desc
8	3777 060U1000	1,000 FT	41.000 LB	CHROME		3 SH PR #22 PP PVC
8	3777 060U500	500 FT	21.000 LB	CHROME		3 SHLD PR #22 PP PVC

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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'.

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