Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



8778 Multi-Conductor - CM Rated Cable

For more Information please call

1-800-Belden1

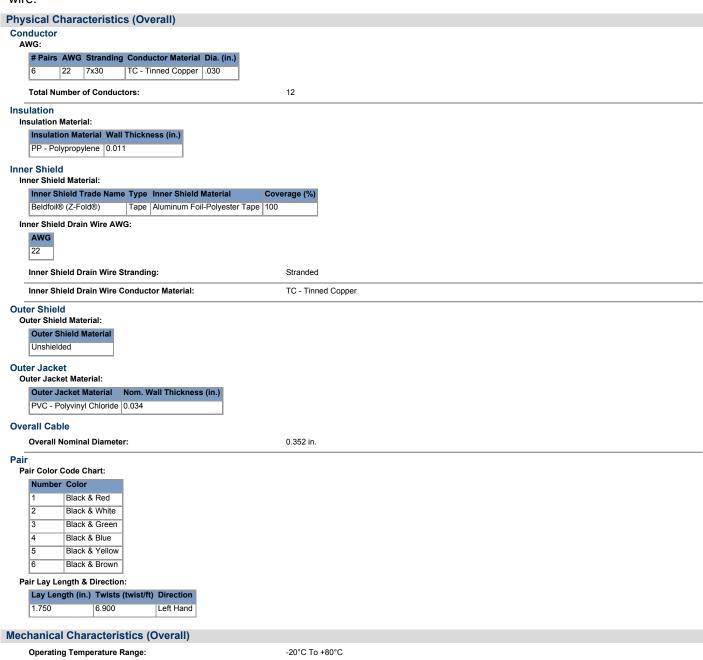


General Description:

UL Temperature Rating:

Bulk Cable Weight:

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



80°C (UL AWM Style 2919)

70 lbs/1000 ft.

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Max. Recommended Pulling Tension:	157 lbs.				
Min. Bend Radius/Minor Axis:	3.750 in.				
plicable Specifications and Agency Com	pliance (Overall)				
oplicable Standards & Environmental Programs					
NEC/(UL) Specification:	CM				
NEC Articles:	800				
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				
ame Test					
UL Flame Test:	UL1685 UL Loading				
CSA Flame Test:	FT1				
uitability					
Suitability - Indoor:	Yes				
enum/Non-Plenum					
Plenum (Y/N):	No				
Non-Plenum Number:	88778, 87778, 82778				

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm) 50

Nom. Inductance:

Inductance (µH/ft) 0.18

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
30

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft) 55

Nominal Velocity of Propagation:

VP (%)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
15

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

Max. Operating Voltage - UL:

Voltage Description
300V RMS UL type CM
30V RMS UL AWM 2919

Max. Recommended Current:

 Description
 Current

 10C Temperature Rise
 2 Amps per conductor @ 25°C ambient

Put Ups and Colors:

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Item #	Putup	Ship Weight	Color	Notes	Item Desc
8778 060100	100 FT	7.900 LB	CHROME		6 FS PR #22 PP PVC
8778 0601000	1,000 FT	78.000 LB	CHROME	С	6 FS PR #22 PP PVC
8778 060250	250 FT	19.500 LB	CHROME	С	6 FS PR #22 PP PVC
8778 060500	500 FT	40.000 LB	CHROME	С	6 FS PR #22 PP PVC
8778 0605000	5,000 FT	415.000 LB	CHROME		6 FS PR #22 PP PVC

Notes: C = CRATE REEL PUT-UP.

Revision Number: 4 Revision Date: 08-06-2013

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