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1-800-Belden1



General Description:

20 AWG stranded (7x28) TC conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100% coverage), 20 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	20	7x28	TC - Tinned Copper

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PE - Polyethylene	0.432

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
20	7x28	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.7112

Overall Cable

Overall Cabling Lay Length & Direction:

Length (mm)	Direction	Twists (twist/m)
50.800	Left Hand	19.686

Overall Nominal Diameter: 5.182 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Clear

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 2092)
Bulk Cable Weight:	31.252 Kg/Km
Max. Recommended Pulling Tension:	204.617 N
Min. Bend Radius/Minor Axis:	57.150 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
NEC Articles:	800
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2092 (300 V 60°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

Flame Test

UL Flame Test:	UL1685 UL Loading
CSA Flame Test:	FT1

Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

56

Nom. Inductance:

Inductance (µH/m)

0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

88.587

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

160.769

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

31.1695

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Description	Current
10C temperature rise	3.9 Amps per conductor @ 25°C ambient

Put Ups and Colors:

METRIC MEASUREMENT VERSION

8762 Multi-Conductor - Single-Pair Cable

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8762 060U1000	305 MT	10.433 KG	CHROME		2 #20 PE FS PVC
8762 060U500	152 MT	5.670 KG	CHROME		2 #20 PE FS PVC
8762 060100	30 MT	1.315 KG	CHROME		2 #20 PE FS PVC
8762 0601000	305 MT	10.433 KG	CHROME	C	2 #20 PE FS PVC
8762 06010000	3,048 MT	108.863 KG	CHROME	C Y	2 #20 PE FS PVC
8762 06010001	3,048 MT	108.863 KG	CHROME	C Z	2 #20 PE FS PVC
8762 0602000	610 MT	20.865 KG	CHROME	C	2 #20 PE FS PVC
8762 060250	76 MT	2.835 KG	CHROME		2 #20 PE FS PVC
8762 060500	152 MT	5.443 KG	CHROME	C	2 #20 PE FS 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'.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 2 Revision Date: 08-02-2013

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