Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

8761 Multi-Conductor - Single-Pair Cable

For more Information
please call

1-800-Belden1

Description:

22 AWG stranded (7x30) TC conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100% coverage), 22 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	22	7x30	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PE - Polyethylene	0.4064

Outer Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	Stranded	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.635

Overall Cabling

Overall Nominal Diameter:	4.445 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Clear

Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)
38.09985	26.248

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 2092)
Bulk Cable Weight:	23.811 Kg/Km
Max. Recommended Pulling Tension:	120.101 N
Min. Bend Radius (Install)/Minor Axis:	44.450 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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

Flame Test

UL Flame Test:	UL1685 UL Loading

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	88761, 87761, 82761

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
64

Nom. Inductance:

Inductance (µH/m)
0.6562

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
78.744

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
154.207

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
52.496

Max. Operating Voltage - UL:

Voltage
300 V RMS (UL AWM Style 2092)

Max. Recommended Current:

Current
2.9 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
8761 060U1000	305 MT	7.711 KG	CHROME		2 #22 PE FS PVC

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8761 060U500	152 MT	4.082 KG	CHROME		2 #22 PE FS PVC
8761 0601000	305 MT	8.165 KG	CHROME	C	2 #22 PE FS PVC
8761 06010000	3,048 MT	77.111 KG	CHROME	C Y	2 #22 PE FS PVC
8761 0602000	610 MT	16.329 KG	CHROME		2 #22 PE FS PVC
8761 060500	152 MT	4.082 KG	CHROME		2 #22 PE FS PVC
8761 0605000	1,524 MT	40.824 KG	CHROME	C	2 #22 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'.

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