

8761 Multi-Conductor - Single-Pair Cable


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More information

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**General 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

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	100.000

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 Cable

Overall Nominal Diameter: 4.445 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:	23.811 Kg/Km
Max. Recommended Pulling Tension:	120.101 N
Min. Bend Radius/Minor Axis:	44.450 mm

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CM

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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

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
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'.

Test Reports

a) UL

- i) UL Test Reports are available on-line through the UL Client Document Access web portal.
- ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

b) CSA

- i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
- ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

* other test data may be available if requested at time of order.

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