

**8761**

Multi-Conductor - Single-Pair Cable

**Description**

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

Put Ups and Colours

Item #	Putup	Ship Weight	Jacket Colour	Notes	Item Description
8761 0601000	1,000 FT	18.000 LB	CHROME	C	2 #22 PE FS PVC CHR
8761 06010000	10,000 FT	17.000 LB	CHROME	C Y	2 #22 PE FS PVC CHR
8761 0602000	2,000 FT	36.000 LB	CHROME		2 #22 PE FS PVC CHR
8761 060500	500 FT	9.000 LB	CHROME		2 #22 PE FS PVC CHR
8761 0605000	5000 FT	90.000 LB	CHROME	C	2 #22 PE FS PVC CHR
8761 060U1000	1,000 FT	17.000 LB	CHROME		2 #22 PE FS PVC CHR
8761 060U500	500 FT	9.000 LB	CHROME		2 #22 PE FS PVC CHR

Notes:

C = Create 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'.

Physical Characteristics (overall)**Conductor – AWG**

# Pairs	AWG	Stranding	Conductor Material
1.000	22	7x30	TC – Tinned Copper

Insulation – Insulation Material

Ins Material	Wall Thickness (in.)
PE – Polyethylene	0.016

Outer Shield - Outer Shield Material

Outer Shield Trade Name	Type	Outer Shield Material	% Coverage (%)
Beldfoil® (Z-Fold®)	Tape	Aluminium 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 (in.)
PVC – Polyvinylchloride	0.025

Overall Cabling – Overall Nominal Diameter: 0.175 in.**Pair Colour Code Chart**

Number	Colour
1	Black & Clear

Pair Lay Length & Direction

Lay Length (In.)	Twists/ft. (twist/ft)
1.500	8.000

Mechanical Characteristics (overall)

Operating Temperature Range	-20°C to +60°C
UL Temperature Range	60°C (UL AWM Style 2092)
Bulk Cable Weight	16 lbs/1000ft
Max. Recommended Pulling Tension	27 lbs
Min. Bend Radius (Install)/Minor Axis	1.750 In.

Applicable Specifications and Agency Compliance (overall)**Application**

NEC (UL) Specification	CM CM UL Style 2092
CEC/C (UL) Specification	(300 V 60°C)
AWM Specification	
EU CE Mark	
EU RoHS Compliant (commence date: dd/mm/yyyy)	(01/04/2005)

Flame Test

UL Flame Test	UL 1685 UL Loading
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Plenum/Non-Plenum

Plenum	
Plenum Number	

Electrical Characteristics (overall)

Nom. Characteristics Impedance

Impedance (Ohm)
64.000

Nom. Inductance

Inductance (μ H/ft)
0.200

Nom. Capacitance Conductor to Conductor

Capacitance (pF/ft)
24.000

Nom. Capacitance Conductor to Other Conductor & Shield

Capacitance (pF/ft)
47.000

Nominal Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
16.000

Max. Operating Voltage – UL

Voltage
300 V RMS (UL AWM Style 2092)

Max. Recommended Current

Current
2.9 Amps per conductor @ 25°C