



# 8760

## Multi-Conductor - Shielded Twisted Pair Cable



### Description

18 AWG stranded (16x30) tinned copper conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100% coverage), 20 AWG stranded tinned copper drain wire, PVC jacket.

### Put Ups and Colours

Item #	Putup	Ship Weight	Jacket Colour	Notes	Item Description
8760 0601000	1,000 FT	26.000 LB	CHROME	C	2 #18 LDPE SH PVC CHR
8760 06010000	10,000 FT	280.000 LB	CHROME	C Y	2 #18 LDPE SH PVC CHR
8760 0602000	2,000 FT	56.000 LB	CHROME	C	2 #18 LDPE SH PVC CHR
8760 060250	250 FT	7.250 LB	CHROME		2 #18 LDPE SH PVC CHR
8760 060500	500 FT	14.500 LB	CHROME	C	2 #18 LDPE SH PVC CHR
8760 0605000	5000 FT	150.000 LB	CHROME	C	2 #18 LDPE SH PVC CHR
8760 060U1000	1,000 FT	28.000 LB	CHROME		2 #18 LDPE SH PVC CHR
8760 060U500	500 FT	14.500 LB	CHROME		2 #18 LDPE SH 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	18	16x30	TC – Tinned Copper

#### Insulation – Insulation Material

Ins Material	Wall Thickness (in.)
PE – Polyethylene	0.019

#### Outer Shield - Outer Shield Material

Outer Shield Trade Name	Type	Outer Shield Material	% Coverage (%)
Beldfoil®	Tape	Aluminium 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 (in.)
PVC – Polyvinylchloride	0.028

**Overall Cabling – Overall Nominal Diameter:** 0.222 in.

### Pair Colour Code Chart

Number	Colour
1	Black & Clear

### Pair Lay Length & Direction

Lay Length (In.)	Twists/ft. (twist/ft)
2.500	4.800

### Mechanical Characteristics (overall)

Operating Temperature Range	-20°C to +60°C
UL Temperature Range	60°C (UL AWM Style 2092)
Bulk Cable Weight	26.600 lbs/1000ft
Max. Recommended Pulling Tension	62 lbs
Min. Bend Radius (Install)/Minor Axis	2.250 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	88760, 87760 & 82760

## **Electrical Characteristics (overall)**

### **Nom. Characteristics Impedance**

Impedance (Ohm)

57.000

### **Nom. Inductance**

Inductance ( $\mu$ H/ft)

0.180

### **Nom. Capacitance Conductor to Conductor**

Capacitance (pF/ft)

29.800

### **Nom. Capacitance Conductor to Other Conductor & Shield**

Capacitance (pF/ft)

44.000

### **Nominal Conductor DC Resistance**

DCR @ 20°C (Ohm/1000 ft)

6.500

### **Max. Operating Voltage – UL**

Voltage

300 V RMS (UL AWM Style 2092)

### **Max. Recommended Current**

Current

5.2 Amps per conductor @ 25°C