

8760 Multi-Conductor - Shielded Twisted Pair Cable

For more Information
please call

1-800-Belden1



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.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	18	16x30	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PE - Polyethylene	0.4826

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 Cabling

Overall Nominal Diameter: 5.639 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Clear

Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)
63.49975	15.749

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 2092)
Bulk Cable Weight:	34.229 Kg/Km
Max. Recommended Pulling Tension:	275.788 N
Min. Bend Radius (Install)/Minor Axis:	57.150 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
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Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	88760, 87760 or 82760

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

57

Nom. Inductance:

Inductance (µH/m)

0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

97.7738

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

144.364

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

21.3265

Max. Operating Voltage - UL:

Voltage

300 V RMS (UL AWM Style 2092)

Max. Recommended Current:

Current

5.2 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8760 060U1000	305 MT	12.701 KG	CHROME		2 #18 LDPE SH PVC
8760 060U500	152 MT	6.577 KG	CHROME		2 #18 LDPE SH PVC
8760 0601000	305 MT	11.793 KG	CHROME		2 #18 LDPE SH PVC
8760 06010000	3,048 MT	127.006 KG	CHROME	C Y	2 #18 LDPE SH PVC

METRIC MEASUREMENT VERSION

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8760 0602000	610 MT	25.401 KG	CHROME	C	2 #18 LDPE SH PVC
8760 060250	76 MT	3.289 KG	CHROME		2 #18 LDPE SH PVC
8760 060500	152 MT	6.577 KG	CHROME	C	2 #18 LDPE SH PVC
8760 0605000	1,524 MT	68.039 KG	CHROME	C	2 #18 LDPE SH PVC
8760 0609999	305 MT	11.793 KG	CHROME		2 #18 LDPE SH 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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