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1-800-Belden1



General 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

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PO - Polyolefin	0.457

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	0.711

Overall Cable

Overall Nominal Diameter: 5.639 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Clear

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
Bulk Cable Weight:	37.205 Kg/Km
Max. Recommended Pulling Tension:	240.203 N
Min. Bend Radius/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 Directive 2011/65/EU (ROHS II):	Yes
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

METRIC MEASUREMENT VERSION

8760 Multi-Conductor - Shielded Twisted Pair Cable

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
Suitability	
Suitability - Indoor:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	No
Plenum Number:	88760, 87760 or 82760

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance ($\mu\text{H/m}$)
0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
89.243

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
21.3265

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
7.2 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8760 060U1000	305 MT	12.247 KG	CHROME		2 #18 LDPE SH PVC
8760 060U500	152 MT	6.350 KG	CHROME		2 #18 LDPE SH PVC
8760 0601000	305 MT	12.247 KG	CHROME		2 #18 LDPE SH PVC
8760 06010000	3,048 MT	122.471 KG	CHROME	C Y	2 #18 LDPE SH PVC
8760 06010001	3,048 MT	122.471 KG	CHROME	C Z	2 #18 LDPE SH PVC
8760 06015000	4,572 MT	197.314 KG	CHROME	C Y	2 #18 LDPE SH PVC
8760 0602000	610 MT	24.494 KG	CHROME	C	2 #18 LDPE SH PVC
8760 060250	76 MT	3.175 KG	CHROME		2 #18 LDPE SH PVC
8760 060500	152 MT	6.350 KG	CHROME	C	2 #18 LDPE SH PVC
8760 0605000	1,524 MT	65.771 KG	CHROME	C	2 #18 LDPE SH PVC
8760 0609999	305 MT	12.701 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'.
Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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