Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



82760 Multi-Conductor - Single-Pair Cable

For more Information please call

1-800-Belden1



General Description:

18 AWG stranded (19x30) TC conductors, plenum, FEP insulation, twisted pair, overall Beldfoil® shield (100% coverage), 20 AWG stranded TC drain wire, Flamarrest® jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	18	19x30	TC - Tinned Copper

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)	
FEP - Fluorinated Ethylene Propylene	0.1778	

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil® with shorting fold	Tape	Aluminum Foil-Polyester Tape	100.000

Outer Shield Drain Wire AWG:

AWG Stranding		Drain Wire Conductor Material		
20	Stranded	TC - Tinned Copper		

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)	
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.3556	

Overall Cable

Overall Nominal Diameter: 3.708 mm

Pair

Pair Color Code Chart:



Pair Lay Length & Direction:

Lay Length (mm)	Twists (twist/m)	Direction
50.800	19.686	Left Hand

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
Bulk Cable Weight:	29.764 Kg/Km
Max. Recommended Pulling Tension:	284.685 N
Min Bend Radius/Minor Axis:	38 100 mm

Page 1 of 3 10-30-2013

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



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Applicable Standards & Environmental Programs			
NEC/(UL) Specification:	CMP		
NEC Articles:	800		
CEC/C(UL) Specification:	CMP		
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):	04/01/2005		
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		
lame Test			
UL Flame Test:	NFPA 262		
CSA Flame Test:	FT6		
uitability			
Suitability - Indoor:	Yes		
lenum/Non-Plenum			
Plenum (Y/N):	Yes		
Non-Plenum Number:	8760		

Electrical Characteristics (Overall)

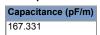
Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nominal Delay:

Delay (ns/m) 4.82307

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 18.046

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

Page 2 of 3 10-30-2013

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



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23.9513

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Description		Current		
	10C Temperature Rise	5.4 Amps per conductor @ 25°C ambient	1	

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
82760 877U1000	305 MT	9.525 KG	NATURAL		1 PR #18 FEP FS FLMRST
82760 877U500	152 MT	4.990 KG	NATURAL		1 PR #18 FEP FS FLMRST
82760 8771000	305 MT	9.979 KG	NATURAL	С	1 PR #18 FEP FS FLMRST
82760 8775000	1,524 MT	47.627 KG	NATURAL		1 PR #18 FEP FS FLMRST

Notes:

C = CRATE REEL PUT-UP.

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