Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



82760 Multi-Conductor - Single-Pair Cable

For more Information please call

1-800-Belden1



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

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 Cabling

Overall Nominal Diameter: 3.708 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
Bulk Cable Weight:	33.485 Kg/Km
Max. Recommended Pulling Tension:	284.685 N
Min. Bend Radius (Install)/Minor Axis:	40.640 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP	
CEC/C(UL) Specification:	CMP	
EU CE Mark:	Yes	

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	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
Fla	ime Test	
	UL Flame Test:	NFPA 262
	C(UL) Flame Test:	FT6
Ple	enum/Non-Plenum	
	Plenum (Y/N):	Yes
	Non-Plenum Number:	8760

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
35

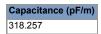
Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:

DCR @	20°C	(Ohm/km)
18.0455		

Nominal Outer Shield DC Resistance:



Max. Operating Voltage - UL:



Max. Recommended Current:

Current
5.4 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

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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	9.072 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.

Revision Number: 2 Revision Date: 05-26-2010

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