

Detailed Specifications & Technical Data

勝 特 力 材 料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



82760 Paired - Single-Pair Cable



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:

CONDUCTOR:

Number of Pairs	1
Total Number of Conductors	2
AWG	18
Stranding	19x30
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	FEP - Fluorinated Ethylene Propylene
Nom. Insulation Wall Thickness	.007 in.

Pair Color Code Chart :

Number	Color
1	Black & Red

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil® (Z-Fold®)
Outer Shield Type	Tape
Outer Shield Material	Aluminum Foil-Polyester Tape
Outer Shield % Coverage	100 %

OUTER SHIELD DRAIN WIRE :

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

OUTER JACKET:

Outer Jacket Material Trade Name	Flamarrest®
Outer Jacket Material	LS PVC - Low Smoke Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	.014 in.

OVERALL NOMINAL DIAMETER:

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Overall Nominal Diameter .150 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range -20°C To +75°C

Bulk Cable Weight 22.5 lbs/1000 ft.

Max. Recommended Pulling Tension 64 lbs.

Min. Bend Radius (Install) 1.6 in.

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APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification CMP

CEC/C(UL) Specification CMP

EU CE Mark (Y/N) Yes

EU RoHS Compliant (Y/N) Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

FLAME TEST:

UL Flame Test NFPA 262

C(UL) Flame Test FT6

PLENUM/NON-PLENUM:

Plenum (Y/N) Y

Non-Plenum Number 8760

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance 35 Ohms

Nom. Inductance .15 µH/ft

Nom. Capacitance Conductor to Conductor @ 1 KHz 51 pF/ft

Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz 97 pF/ft

Nominal Velocity of Propagation 69 %

Nominal Delay 1.47 ns/ft

Nom. Conductor DC Resistance @ 20 Deg. C 5.5 Ohms/1000 ft

Nominal Outer Shield DC Resistance @ 20 Deg. C 7.3 Ohms/1000 ft

Max. Operating Voltage - UL 300 V RMS

Max. Recommended Current 5.4 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
82760 8771000	1 PR #18 FEP FS FLMRST	1000	21	NATURAL	C
82760 877U1000	1 PR #18 FEP FS FLMRST	U1000	22	NATURAL	
82760 877U500	1 PR #18 FEP FS FLMRST	U500	12	NATURAL	

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C = CRATE REEL PUT-UP.

Revision Number: 1

Revision Date: 07-27-2005

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