

88760 Paired - Single-Pair Cable

		<p style="text-align: center;">For more information please call 1-800-Belden1</p> <p style="text-align: center;"><u>See Put-ups and Colors</u></p>
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Description:

18 AWG stranded (19x30) TC conductors, plenum, FEP insulation, twisted pair, overall Beldfoil® shield (100% coverage), 20 AWG stranded TC drain wire, FEP 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.
Lay Length	2.0 in.
Twists/ft.	6

Pair Color Code Chart :

Number	Color
1	Black & Red

OVERALL CABLING:

Overall Cabling Separator Material	Polyester tape
Overall Cabling Separator Thickness	0.001 in.

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:

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Outer Jacket Material	FEP - Fluorinated Ethylene Propylene
Outer Jacket Nominal Wall Thickness	.014 in.

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.149 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-70°C To +200°C
Bulk Cable Weight	23.5 lbs/1000 ft.
Max. Recommended Pulling Tension	64 lbs.
Min. Bend Radius (Install)	1.6 in.

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

SUITABILITY:

Suitability - Indoor	Yes
Suitability - Outdoor	Yes
Suitability - Burial	Yes
Oil Resistance	Yes

PLENUM/NON-PLENUM:

Plenum (Y/N)	Y
Non-Plenum Number	8760

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	29 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

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Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	5.4 Amps per conductor @ 25°C

NOTES:

Notes	For use in indoor plenum environments but also suitable for outdoor and underground applications.
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
88760 002100	2#18 FEP SH FEP	100	3.7	RED	
88760 0021000	2#18 FEP SH FEP	1000	22	RED	C
88760 002500	2#18 FEP SH FEP	500	11	RED	C
88760 002U1000	2 #18 FEP SH FEP	U1000	24	RED	
88760 002U500	2 #18 FEP SH FEP	U500	12.5	RED	

C = CRATE REEL PUT-UP.

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