

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, FEP 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 Material	Nom. Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.356

Overall Cable

Overall Nominal Diameter: 3.632 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

Pair Lay Length & Direction:

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

Mechanical Characteristics (Overall)

Operating Temperature Range:	-70°C To +200°C
UL Temperature Rating:	60C
Bulk Cable Weight:	34.229 Kg/Km
Max. Recommended Pulling Tension:	284.685 N
Min. Bend Radius/Minor Axis:	38.100 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
NEC Articles:	800
CEC/(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

Flame Test

UL Flame Test:	NFPA 262
CSA Flame Test:	FT6

Suitability

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

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
29

Nom. Inductance:

Inductance (µH/m)
0.49215

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
167.331

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
318.257

Nominal Velocity of Propagation:

VP (%)
69

Nominal Delay:

Delay (ns/m)
4.82307

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
18.0455

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
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

Notes (Overall)

Notes: For use in indoor plenum environments but also suitable for outdoor and underground applications. Gas/vapor-tight jacket.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
88760 002U1000	1,000 FT	25.000 LB	RED		2 #18 FEP SH FEP

METRIC MEASUREMENT VERSION

88760 Multi-Conductor - Single-Pair Cable

88760 002U500	500 FT	13.000 LB	RED		2 #18 FEP SH FEP
88760 002100	100 FT	3.800 LB	RED		2 #18 FEP SH FEP
88760 0021000	1,000 FT	24.000 LB	RED	C	2 #18 FEP SH FEP
88760 00210000	10,000 FT	240.000 LB	RED	C Z	2 #18 FEP SH FEP
88760 00220000	20,000 FT	500.000 LB	RED	C Y	2 #18 FEP SH FEP
88760 002500	500 FT	13.000 LB	RED	C	2 #18 FEP SH FEP
88760 0025000	5,000 FT	120.000 LB	RED		2 #18 FEP SH FEP

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.

Revision Number: 5 Revision Date: 07-13-2017

© 2017 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).