

## 88641 Multi-Conductor - Single-Pair Cable



For more Information  
please call

1-800-Belden1

**General Description:**

24 AWG stranded (7x32) TC conductors, plenum, FEP insulation, twisted pair, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain wire, FEP jacket

**Physical Characteristics (Overall)****Conductor**

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	24	7x32	TC - Tinned Copper

Total Number of Conductors: 2

**Insulation**

Insulation Material:

Insulation Material	Wall Thickness (in.)
FEP - Fluorinated Ethylene Propylene	.006

**Outer Shield**

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	7x32	TC - Tinned Copper

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
FEP - Fluorinated Ethylene Propylene	.014

**Overall Cable**

Overall Nominal Diameter: 0.106 in.

**Pair**

Pair Color Code Chart:

Number	Color
1	Black & Red

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-70°C To +200°C
Bulk Cable Weight:	9 lbs/1000 ft.
Max. Recommended Pulling Tension:	16 lbs.
Min. Bend Radius/Minor Axis:	1.250 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC(UL) Specification:	CMP
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

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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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**Flame Test**

UL Flame Test:	NFPA 262
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CSA Flame Test:	FT6
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**Plenum/Non-Plenum**

Plenum (Y/N):	Yes
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Plenum Number:	82641
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Non-Plenum Number:	8641
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**Electrical Characteristics (Overall)****Nom. Inductance:**

Inductance (µH/ft)

.17

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)

31

**Nom. Capacitance Cond. to Other Conductor & Shield:**

Capacitance (pF/ft)

59

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

24.1

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

17

**Max. Operating Voltage - UL:**

Voltage

300 V RMS

**Max. Recommended Current:**

Current

2.2 Amps per conductor @ 25°C

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
88641 002100	100 FT	2.400 LB	RED		2#24 FEP FS FEP
88641 0021000	1,000 FT	11.000 LB	RED	C	2#24 FEP FS FEP
88641 002500	500 FT	6.000 LB	RED	C	2#24 FEP FS FEP

**Notes:**

C = CRATE REEL PUT-UP.

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