

9461 Multi-Conductor - Single-Pair Cable



For more Information
please call

1-800-Belden1

**General Description:**

22 AWG stranded (7x30) TC conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100% coverage), 22 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)**Conductor**

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	22	7x30	TC - Tinned Copper

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PE - Polyethylene	0.017

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
22	Stranded	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.026

Overall Cable

Overall Nominal Diameter: 0.180 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & Clear

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 2092)
Bulk Cable Weight:	20 lbs/1000 ft.
Max. Recommended Pulling Tension:	28 lbs.
Min. Bend Radius/Minor Axis:	2 in.

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

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2092 (300 V 60°C)
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):	01/01/2004

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EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	UL1685 UL Loading
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

64

Nom. Inductance:

Inductance (µH/ft)

.2

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

24

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

47

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16

Max. Operating Voltage - UL:

Voltage

300 V RMS (UL AWM Style 2092)

Max. Recommended Current:

Current

3 Amps per conductor @ 25°C

Notes (Overall)

Notes: The jacket and shield are bonded so both can be removed on automatic stripping equipment.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9461 060U1000	1,000 FT	21.000 LB	CHROME		2 #22 PE FS PVC
9461 060U500	500 FT	11.000 LB	CHROME		2 #22 PE FS PVC
9461 0605000	5,000 FT	105.000 LB	CHROME		2 #22 PE FS PVC

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Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9