



**Part Number:** 9461  
Single-Pair Cable

## Product Description

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

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Pairs
22	7x30	TC - Tinned Copper	1
<b>Total Number of Conductors:</b>			2

#### Insulation:

Material	Nominal Wall Thickness
PE - Polyethylene	0.017 in

#### Color Chart 1:

Number	Color
1	Black & Clear

#### Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	22	Stranded mm

#### Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.18 mm	0.026 mm

## Electrical Characteristics

### Conductor DCR:

Nominal Conductor DCR
16 Ohm/km

### Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
24 pF/m	47 pF/m

### Impedance:

Nominal Characteristic Impedance
64 mOhm/ft

### Current:

Max. Recommended Current [A]
3 Amps per conductor @ 25°C

### Inductance:

Nominal Inductance
0.2 $\mu$ H/m

### Voltage:

UL Voltage Rating
300V RMS (UL AWM Style 2092)

## Use

Max Recommended Pulling Tension:	28 lbs
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## Safety

UL Flammability:	UL1685 UL Loading
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## Temperature Range

Operating Temp Range:	-20°C To +60°C
UL Temp Rating:	60°C (UL AWM Style 2092)

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	2 in
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## Part Number

Plenum (Y/N):	No
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## Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CM
MII Order #39 (China RoHS):	Yes
NEC/(UL) Specification:	CM
UL AWM Style:	UL Style 2092 (300V 60°C)
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

## History

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