



**Part Number:** 9460

Single-Pair Cable

## Product Description

18 AWG stranded (16x30) TC conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100% coverage), 20 AWG stranded TC drain wire, PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Pairs
18	16x30	TC - Tinned Copper	1
Total Number of Conductors:			2

#### Insulation:

Material	Nominal Wall Thickness
PE - Polyethylene	0.018 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	20	Stranded mm

#### Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.23 mm	0.03 mm

## Electrical Characteristics

### Conductor DCR:

Nominal Conductor DCR
6.5 Ohm/km

### Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
29.8 pF/m	44 pF/m

### Impedance:

Nominal Characteristic Impedance
57 mOhm/ft

### Current:

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

### Inductance:

Nominal Inductance
0.18 µH/m

### Voltage:

UL Voltage Rating
300V RMS

## Use

Max Recommended Pulling Tension:	70 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 20g2)

Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.5 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. Drain wire is on the inside of foil shield.
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