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please call

1-800-Belden1



### General Description:

18 AWG stranded (19x30) tinned copper conductors, conductors cabled, PP insulation, overall Beldfoil® shield (100% coverage), 20 AWG stranded tinned copper drain wire, LSZH jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
4	18	19x30	TC - Tinned Copper

Total Number of Conductors: 4

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.279

#### Outer Shield

##### Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/shorting 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)
LSZH - Low Smoke Zero Halogen	0.889

#### Overall Cable

##### Overall Cabling Lay Length & Direction:

Length (mm)
50.7998

##### Overall Cabling Color Code Chart:

Number	Color
1	Red
2	Green
3	Black
4	White

Overall Nominal Diameter: 6.223 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

UL Temperature Rating: 80°C

Bulk Cable Weight: 62.504 Kg/Km

Max. Recommended Pulling Tension: 444.820 N

## 9418ZH Multi-Conductor - GreenChoice Multiconductor

Min. Bend Radius/Minor Axis: 63.500 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
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):	05/07/2012
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
Other Specification:	UL AWM 21307

#### Flame Test

UL Flame Test:	UL1685 FT4 Loading
C(UL) Flame Test:	FT4

#### Suitability

Suitability - Indoor:	Yes
Non-halogenated:	Yes

#### Plenum/Non-Plenum

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

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
80.385

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

Capacitance (pF/m)
144.364

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
21.3265

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
27.8885

#### Max. Operating Voltage - UL:

Voltage
300 V RMS (UL AWM Style 2464)

#### Max. Recommended Current:

Current
5 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9418ZH 0101000	1,000 FT	44.000 LB	BLACK		4 #18 PO FS NHFRPO
9418ZH 010500	500 FT	24.000 LB	BLACK		4 #18 PO FS NHFRPO

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