



**Part Number:** 9578

Power-Limited Fire Protective Signaling Circuit Cables

## Product Description

18 AWG solid bare copper conductors, conductors cabled, PVC insulation, 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 Conductors
18	Solid	BC - Bare Copper	4
Total Number of Conductors:			4

#### Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.017 in

#### Color Chart 1:

Number	Color
1	Black
2	Red
3	Yellow
4	Blue

#### Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil® (Z-Fold®)	100 %	TC - Tinned Copper	22	7x30 mm

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.263 in	0.037 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
6.4 Ohm/1000ft	11.7 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
43 pF/ft	79.2 pF/ft

Current:

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

Inductance:

Nominal Inductance
0.169 µH/ft

Voltage:

UL Voltage Rating
300V RMS

Use

Max Recommended Pulling Tension:	99 lbs
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Safety

CSA Flammability:	FT4
UL Flammability:	UL1666 Vertical Shaft

Temperature Range

Operating Temp Range:	-40°C To +105°C
UL Temp Rating:	105°C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.75 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:	FAS105
MII Order #39 (China RoHS):	Yes
NEC Articles:	760
NEC/(UL) Specification:	CMR^FPLR
Other Specification:	California State Fire Marshall
UL AWM Style:	UL Style 2464 (300V 80°C)
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

History

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