



Product: [9576](#) 

Electronic, 6 C #22 Sol TC, PVC Ins, Black PVC Jkt, FPLR

 [Request Sample](#)

Product Description

Electronic, 6 Conductor 22AWG (Solid) Tinned Copper, PVC Insulation, Black PVC Outer Jacket, FPLR

Technical Specifications

Product Overview

Suitable Applications:	fire alarms; indoor applications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...)
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	6	22 AWG	Solid	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.013 in (0.33 mm)	0.052 in (1.3 mm)	Black, White, Red, Green, Brown, Blue

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.039 in (0.99 mm)	0.234 in

Overall Cable Diameter (Nominal): 0.234 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Inductance	Max. Current
Conductor(s)	20 Ohm/1000ft	25.5 pF/ft (83.7 pF/m)	0.19 µH/ft (0.62 µH/m)	3.5 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-40°C To +105°C

Bend Radius

Stationary Min.	Installation Min.
2.34 in (59.4 mm)	2.34 in

Max. Pull Tension: 46.8 lbs (21.2 kg)

Bulk Cable Weight:	33 lbs/1000ft
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Standards and Compliance

Environmental Suitability:	Indoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL1666 Riser, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 760, Article 800, CMR, FPLR
AWM Compliance:	AWM 2464
CEC / C(UL) Compliance:	CMG, FAS105
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	California State Fire Marshall

History

Update and Revision:	Revision Number: 0.560 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC
9576 010U1000	Black	612825256182

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