



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, ...)
------------------------	---

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	Max. Current
Conductor(s)	20 Ohm/1000ft	25.5 pF/ft (83.7 pF/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
--------------------	---------------

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: 0.559 Revision Date: 02-03-2025
----------------------	--

Part Numbers

Variants

Item #	Color	UPC
9576 010U1000	Black	612825256182

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.