



Product: [5606B1601](#) 

INSTRUMENTATION, 1PR #16, Str, PVC/NYLON, 600 V, TC 90C, SUN RES, DIRECT BURIAL

Product Description

INSTRUMENTATION, 1 Pair 16 AWG (7/0192) BC - Bare Copper, PVC/NYLON Insulation, Black PVC Outer Jacket, TC 90C, SUN RES, DIRECT BURIAL

Technical Specifications

Product Overview

Suitable Applications:	Data, communication, audio, and low-level signal transmission; industrial networking, serial communication, control panels, automation equipment, and instrumentation systems.
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	16 AWG	7x25	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.016 in (0.41 mm)	0.100 in (2.54 mm)	Black-White

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.050 in (1.3 mm)	0.300 in (7.62 mm)

Overall Cable Diameter (Nominal): 0.300 in (7.62 mm)

Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Characteristic Impedence	Nom. Inductance
Pair(s)	30 pF/ft (98 pF/m)	70 Ohm	0.18 μH/ft (0.59 μH/m)

Voltage

UL Voltage Rating
600 V (TC)

Mechanical Characteristics

Temperature

UL Temperature	Operating
90°C	-25°C To +90°C

Bend Radius

Stationary Min.
3.0 in (76 mm)

Max. Pull Tension: 1056 lbs (479.0 kg)

Standards and Compliance

Environmental Suitability: Indoor, Sunlight Resistance, Burial

Sustainability:	CA Prop 65
NEC / UL Compliance:	Article 336, TC
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), REACH, 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)

Product Notes

Notes:	Alpha Wire -* P/N 5606B1601 1PR 16 AWG (UL) TYPE TC 600V 90C DRY 75C WET SUN RES DIR BUR CE ROHS
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History

Update and Revision:	Revision Number: 0.116 Revision Date: 06-30-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length
5606B1601 BK005	Black And White	Reel	100 ft
5606B1601 BK001	Black And White	Reel	1,000 ft

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