Alpha Wire

Product: 1852

HOOK-UP WIRE, 1C #28, Str, PVC, 600 V

Product Description

HOOK-UP WIRE, 1 Conductor 28 AWG (7/36) TC - Tinned Copper, PVC Insulation

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.

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Insulated Wire	1	28 AWG	7x36	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Insulated Wire	PVC - Polyvinyl Chloride	0.010 in (0.25 mm)	0.035 in (0.89 mm)	White

Outer Jacket

Nom. Diameter
0.035 in (0.89 mm)

Overall Cable Diameter (Nominal):	0.035 in (0.89 mm)

Electrical Characteristics

Electricals

Element	Nom. Inductance
Insulated Wire	0.07 µH/ft (0.23 µH/m)

Voltage

Voltage Rating
600 V (MIL-SPEC)

Mechanical Characteristics

Temperature

Operating
-55°C To +105°C

Bend Radius

Stationary Min.
0.4 in (10 mm)

Max. Pull Tension:	9.6 lbs (4.4 kg)

Standards and Compliance

Environmental Suitability:	Indoor

Sustainability:	CA Prop 65
CEC / C(UL) Compliance:	.
Military Compliance:	MIL-W-76B Type LW, MIL-W-16878/1
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.121 Revision Date: 08-28-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length
1852 BK005	Black	Reel	100 ft
1852 BK001	Black	Reel	1,000 ft
1852 BL005	Blue	Reel	100 ft
1852 BL001	Blue	Reel	1,000 ft
1852 BR005	Brown	Reel	100 ft
1852 BR001	Brown	Reel	1,000 ft
1852 GR005	Green	Reel	100 ft
1852 GR001	Green	Reel	1,000 ft
1852 OR005	Orange	Reel	100 ft
1852 OR001	Orange	Reel	1,000 ft
1852 RD005	Red	Reel	100 ft
1852 RD001	Red	Reel	1,000 ft
1852 SL005	Slate	Reel	100 ft
1852 SL001	Slate	Reel	1,000 ft
1852 VI005	Violet	Reel	100 ft
1852 VI001	Violet	Reel	1,000 ft
1852 WH005	White	Reel	100 ft
1852 WH001	White	Reel	1,000 ft
1852 YL005	Yellow	Reel	100 ft
1852 YL001	Yellow	Reel	1,000 ft

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