Product: 780001

HOOK-UP WIRE, 1C #1/0, Str, PVC, 600 V, AWM/STYLE 1232 105C, VW-1, AWM/STYLE 1284 105C, THW 75C, MTW 90C, CSA C(RU) AWM I A/B FT1, CSA FT1, CSA C(RU) TEW

Product Description

HOOK-UP WIRE, 1 Conductor 1/0 AWG (1045(19x55)/30) TC - Tinned Copper, PVC Insulation, AWM/STYLE 1232 105C, VW-1, AWM/STYLE 1284 105C, THW 75C, MTW 90C, CSA C(RU) AWM I A/B FT1, CSA FT1, CSA C(RU) TEW C(RU) AWM I A/B FT1, FT1, C(RU) TEW UL FT1, VW-1; CSA FT1

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	1/0 AWG	1045x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Insulated Wire	PVC - Polyvinyl Chloride	0.082 in (2.1 mm)	0.592 in (15.0 mm)	White

Outer Jacket

Nom. Diameter
0.592 in (15.0 mm)

Overall Cable Diameter (Nominal):	0.592 in (15.0 mm)

Electrical Characteristics

Electricals

Element	Nom. Inductance
Insulated Wire	0.03 µH/ft (0.098 µH/m)

Voltage

UL Voltage Rating
600 V (AWM 1232, AWM 1284, MTW, THW), 600 V (CSA AWM, TEW)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.
5.9 in (150 mm)

Max. Pull Tension:	45 lbs (20 kg)

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1685 FT1 Loading, FT1
NEC / UL Compliance:	MTW
AWM Compliance:	AWM 1232AWM 1284, AWM I/II A/B
CEC / C(UL) Compliance:	.
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)

History

Update and Revision:	Revision Number: 0.122 Revision Date: 08-29-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length
780001 WH005	White	Reel	100 ft

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