

Description: UL 1015 Hook up wire

Issued Date: 04/15/2025

Design No.: 10189

Components

Nom OD

Conductor: Stranded tinned copper

Insulation: PVC

See table 1

Print

ASCENT E477982 **  AWM 1015 VW-1 105°C 600V XXAWG c  AWM I A FT1 105°C

600V XXAWG

Note: “**” is factory code, “XX” is conductor size

Color Code

A variety of insulation colors available

Requirements:

Approvals:

Operating Temperature: -40°C to +105°C

UL AWM 1015, cUL

Operating Voltage: 600V

RoHS Compliant

Dielectric Test: 2kV/1 min

Table 1

AWG	Stranding	Min. Avg. Thickness(in.)	Nom O.D (in.)	Max. DC Resistance (at 20°C) (Ω/km)
26	7/34	0.030	0.079	150
24	7/32	0.030	0.088	94.2
24	11/34	0.030	0.087	94.2
22	17/34	0.030	0.094	59.4
20	26/34	0.030	0.098	36.7
18	41/34	0.030	0.110	23.2
16	26/30	0.030	0.122	14.6
14	41/30	0.030	0.138	8.96
12	65/30	0.030	0.157	5.64
10	105/30	0.030	0.189	3.546
8	168/30	0.045	0.256	2.23
6	266/30	0.060	0.323	1.403
4	420/30	0.060	0.386	0.882
2	684/30	0.060	0.457	0.5548
1	836/30	0.080	0.531	0.4398
1/0	1064/30	0.080	0.079	0.3487
2/0	1330/30	0.080	0.089	0.2766
3/0	1691/30	0.080	0.087	0.2194
4/0	2146/30	0.080	0.094	0.1722

IEWC Part Number, see Table 2

Table 2

Size	IEWC P/N	Color
24AWG (7/32)	32200654	Yellow

Revision History		
00	2025/05/12	Initial Release
Created L. Jian	Approved T. Plochochi	