

DATE: 03-21-2012
 Revision 0
 EKG

PRODUCT SPECIFICATION

TYPE: Switchboard Wire
 600 Volt, 90°C, Lead Free, RoHS Compliant
 Crosslinked Polyethylene Insulation (XLPE)
 UL Listed Type SIS per UL 44, E18321
 Flame Rated VW-1

SIZE: 14 AWG To 12 AWG – One Conductor

I. SCOPE:

This specification covers the construction requirements for a single conductor Switchboard Wire consisting of a stranded, tinned copper conductor and insulated with thermosetting Crosslinked Polyethylene. The rated voltage is 600 Volts at temperatures not in excess of 90°C. Sizes 14 AWG and larger are Underwriters' Laboratories labeled.

II. CONSTRUCTION DATA:

SOUTHWIRE STOCK #	SIZE	STRANDING	CONDUCTOR O.D. (MILS)	NOMINAL INSULATION THICKNESS (MILS)	NOMINAL O.D. (MILS)	NOMINAL WEIGHT (LBS/MFT)
577485XX	14 AWG	41	77	30	137	18
577482XX	12 AWG	65	94	30	154	28

A. CONDUCTOR:

Stranded, tin-coated annealed copper conforming to ASTM B-33 and B-8.

B. INSULATION:

Gray thermosetting, flame retardant, Crosslinked Polyethylene conforming to UL Standard 44 for Type SIS. The finished wire passes the VW-1 Flame Test.

D. SAMPLE PRINT LEGEND:

“SOUTHWIRE (UL) 12/1 XLPE SIS 600V VW-1 YEAR---PG&E M290005”