



Cable-in-Conduit (CIC) CU 600V XHHW SCH 40

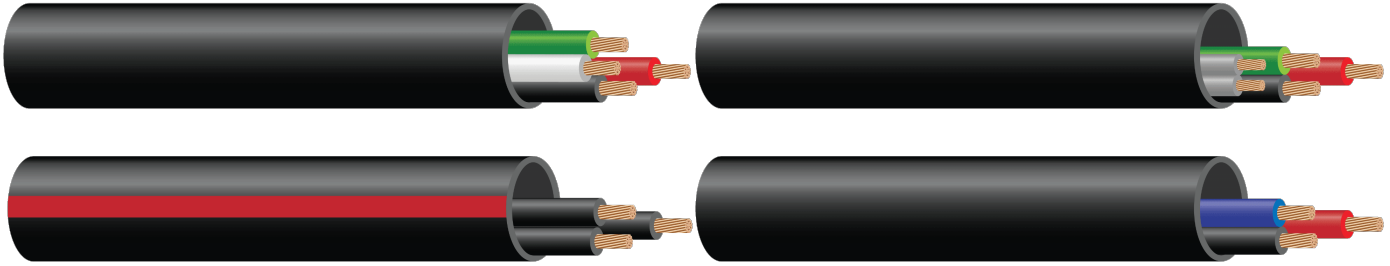


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

- Conductors: Copper SIMpull XHHW-2® per SPEC 10005
- Conduit: High-Density Polyethylene (HDPE)

APPLICATIONS AND FEATURES:

Southwire's SIMpull® CIC has been utilized by end users in various applications, including the US Department of Transportation (DOT), the US Department of Energy (DOE), commercial constructions, EV infrastructure expansions, Utility grid-hardening efforts, airports, mass transit, renewables, petrochemical, agriculture, and data centers. Manufactured by continuously extruding HDPE loosely around the cable assembly with no adhesion between the conduit and the cable, thus leaving the cables free in the conduit. Lubrication is applied to the cable, allowing for cables to be pulled out and replaced if necessary.

SPECIFICATIONS:

- ASTM D3350 Standard Specification for Polyethylene Plastics Pipe and Fittings Materials
- ASTM D3485 Standard Specification for Coilable High Density Polyethylene (HDPE) Cable in Conduit (CIC)
- ASTM F2160 Standard Specification for Solid Wall High Density Polyethylene (HDPE) Conduit Based on Controlled Outside Diameter (OD)
- UL 1990 Standard for Nonmetallic Underground Conduit with Conductors
- CSA *CSA marking is available upon request*
- Buy American: Compliant with Buy American Requirements, found in 49 U.S.C. § 5323(j); specify "Made in the USA Only!" when ordering to ensure your project receives American made products.
- NEMA TC-7 Smooth-Wall Coilable Electrical Polyethylene Conduit

SAMPLE PRINT LEGEND:

{SQFTG} FEET (LOGO) SOUTHWIRE CABLE IN CONDUIT (UL) HDPE X" SCH40 NEMA TC 7 / ASTM F2160 (NESC) {MMM/DD/YYYY} {MACH/SHFT/OP}





Table 1 – Physical and Electrical Data

| Stock Number | Description | Cable Color | Duct Nominal Size | Duct Nominal Outside Dia. | Duct Min. Wall Thickness | Duct Nominal Inside Dia. | Duct Min. Bending Radius | Duct Max. Pull Tension | Duct Color | Approx. Cable and Duct Weight |
|--------------|--|--------------------|-------------------|---------------------------|--------------------------|--------------------------|--------------------------|------------------------|------------|-------------------------------|
| | | | inch | inch | inch | inch | inch | lb | | lb/1000ft |
| 634606 | 2 x 3/0 AWG CU XHHW- #4 CU XHHW - 2x18 CU XHHW | BK, RD, GN, GY, GY | 3.00 | 3.500 | 0.216 | 3.047 | 39 | 4740 | Black | 2335 |

All dimensions are nominal and subject to normal manufacturing tolerances
 ◇ Cable marked with this symbol is a standard stock item

Cable Specification

| Stock Number | Cable Specification |
|--|----------------------------|
| 630069 / 630071 / 630612 / 634606 / 634607 / 634098 / 630612 | SPEC 10005 |

Cell Classification for HDPE Conduit

| Property | Test Method | Value |
|--------------------------|-------------|-----------------------|
| Density | D4883 | 0.953 g/cc |
| Melt Index | D1238 | 0.25 g/10 min |
| Flexural Modulus | D790 | 168,000 psi |
| Tensile Strength | D638 | 3900 yield @ 2 in/min |
| SP-NCLS ESCR | F2136 | >1000 hrs |
| Hydrostatic Design Basis | D2837 | N/A |

- (PE436580C-BK), (PE436580E-Colors)

