

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

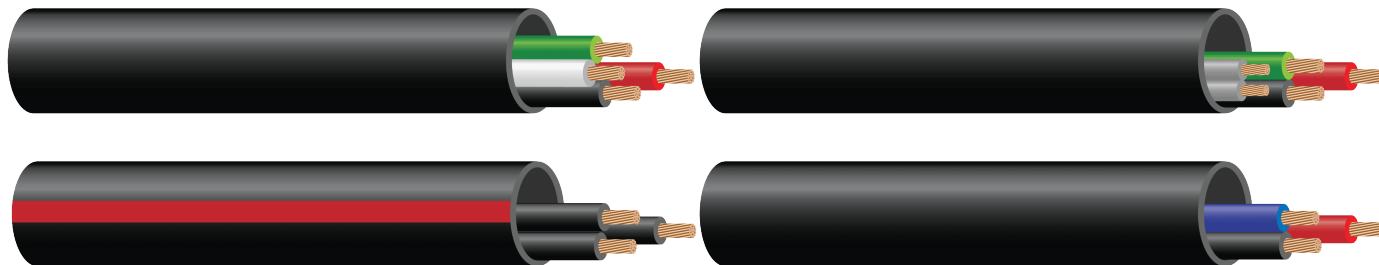


Image not to scale. See Table 1 for dimensions.

### 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
630069	2 x #6 AWG CU XHHW	BK, BK	1.00	1.315	0.133	1.029	14	1050	BK/3-RD Stripes	415
630071	2 x #4 AWG CU XHHW	BK, BK	1.00	1.315	0.133	1.029	14	1050	BK/3-RD Stripes	519
634098	4 x 4 AWG CU, XHHW	BK, WE, RD, GN	1.25	1.660	0.140	1.360	18	1420	Black	896
630612	3 x 2 AWG CU, XHHW	BK, RD, BE	1.25	1.660	0.140	1.360	18	1420	Black	989
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
634607	2 x 4/0 AWG CU XHHW - #4 CU XHHW - 2x16 CU XHHW	BK, RD, GN, GY, GY	3.00	3.500	0.216	3.047	39	4740	Black	2642

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	<a href="#">SPEC 10005</a>

### 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)

CIC Labor  
Saving  
Calculator

