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

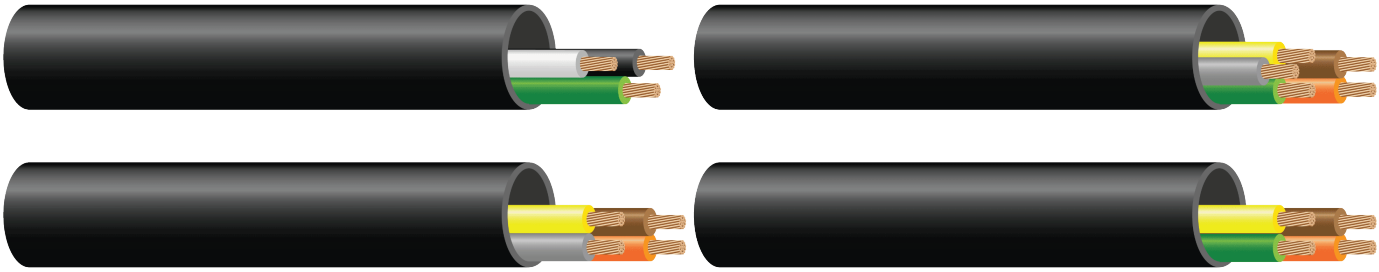


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

• 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.
• All cables are installed as single conductors or paralleled in HDPE conduit and are available in Standard Wall, Schedule 40, Schedule 80, SDR 13.5, SDR 11, and EPEC-17.

APPLICATIONS AND FEATURES:

Commonly installed from transformer to transformer or as underground cables exiting substations

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}

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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
631263	4 x #10 CU THHN	BK, WE, RD GN	0.75	1.050	0.113	0.804	12	710	Black	305
632374	3x#10 CU THHN	BK, WE, GN	0.75	1.050	0.113	0.804	12	710	Black	305
632375	4x#10 CU THHN	BN, OE, YW, GY	0.75	1.050	0.113	0.804	12	710	Black	305
632362	4x#8 CU THHN	BN, OE, YW, GN	1.00	1.315	0.133	1.029	14	1050	Black	475
632545	4x#6 CU THHN	BN, OE, YW, GN	1.00	1.315	0.133	1.029	14	1050	Black	607
633471	4x#4 CU THHN	BN, OE, YW, GN	1.25	1.660	0.140	1.360	18	1420	Black	917
634449	4x1/0 AL THHN	BN, OE, YW, GY	1.50	1.900	0.145	1.590	21	1700	Red	1029
634598	4x#3/0 CU THHN - 1x#4	BN, OE, YW, GY, GN	2.50	2.875	0.203	2.445	32	3615	Black	3240
634600	4x#2 CU THHN - 1x#4	BN, OE, YW, GY, GN	2.50	2.875	0.203	2.445	32	3615	Black	1855
634599	4x#1 CU THHN - 1x#4	BN, OE, YW, GY, GN	2.50	2.875	0.203	2.445	32	3615	Black	2120

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
632374 / 632375 / 632362 / 632545 / 634598 / 634600 / 634599 / 633471	SPEC 10000

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

CIC Labor Saving Calculator

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