Cable-in-Conduit (CIC) AL 15kV UD Primary EPEC-17



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

- Conductors: 15kV AL 133% TRXLPE Full Neutral LLDPE JKT
- Conduit: High-Density Polyethylene (HDPE)

APPLICATIONS AND FEATURES:

Southwire's SIM*pull*® 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. May be installed directly buried or encased in concrete as permitted by The National Electrical Code® Article 353. For above ground applications, HDPE conduit must be encased in a minimum of 2 inches of concrete.

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)
- 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 HDPE X" EPEC-17 NEMA TC 7 (NESC) {MMM/DD/YYYY} {MACH/SHFT/OP}

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Table 1 – Physical and Electrical Data

Description	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
CABLE-IN-CONDUIT (CIC) AL 15KV UD PRIMARY EPEC-17	1	1.315	0.077	1.141	14	635	BK/3-RD STRIPES	140

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item
TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

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

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