EPEC-17



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

High-Density Polyethylene (HDPE)

APPLICATIONS AND FEATURES:

Designed to house and protect wire and cable products in various underground applications for commercial constructions, EV infrastructure expansions, Utility grid-hardening efforts, airports, mass transit, renewables, petrochemical, agriculture, and data centers. May be installed directly buried or encased in concrete. 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
- 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 CONDUIT HDPE X" EPEC-17 NEMA TC 7 {MMM/DD/YYYY} {MACH/SHFT/OP}

Copyright © 2026 Southwire Company, LLC. All Rights Reserved

UPDATED: Dec. 31, 2024, 11:09 p.m.UTC REVISION: 1.000.005

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
EPEC-17	0.75	1.05	0.062	0.906	12	410	OPTIONAL	92
EPEC-17	1	1.315	0.077	1.141	14	635	OPTIONAL	140
EPEC-17	1.25	1.66	0.098	1.444	18	1020	OPTIONAL	219
EPEC-17	1.5	1.9	0.112	1.656	21	1335	OPTIONAL	284
EPEC-17	2	2.375	0.14	2.075	26	2090	OPTIONAL	437
EPEC-17	2.5	2.875	0.169	2.517	32	3060	OPTIONAL	632
EPEC-17	3	3.5	0.206	3.063	39	4525	OPTIONAL	939

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

Copyright © 2026 Southwire Company, LLC. All Rights Reserved