EPEC-17 (SDR 17)

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

UPDATED: Dec. 19, 2023, 2:21 p.m.UTC REVISION: 1.000.004

Table 1 – Physical and Electrical Data

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
0.75	1.050	0.062	0.906	12	410	Optional	92
1.00	1.315	0.077	1.141	14	635	Optional	140
1.25	1.660	0.098	1.444	18	1020	Optional	219
1.50	1.900	0.112	1.656	21	1335	Optional	284
2.00	2.375	0.140	2.075	26	2090	Optional	437
2.50	2.875	0.169	2.517	32	3060	Optional	632
3.00	3.500	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

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

Southwire CABLETECH SUPPORT™ Services