EPEC 80 (Schedule 80)



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 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 F2160 Standard Specification for Solid Wall High Density Polyethylene (HDPE) Conduit Based on Controlled Outside Diameter (OD)
- UL 651A High Density Polyethylene (HPDE) Conduit
- 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 (UL) HDPE X" SCH80 NEMA TC 7 / ASTM F2160 {MMM/DD/YYYY} {MACH/SHFT/OP}

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Table 1 – Physical and Electrical Data

Stock Number	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
TBA	EPEC 80 (SCHEDULE 80)	0.75	1.05	0.154	0.722	12	710	OPTIONAL	149
633648	EPEC 80 (SCHEDULE 80)	1	1.315	0.179	0.936	14	1360	BK	278
TBA	EPEC 80 (SCHEDULE 80)	1.25	1.66	0.191	1.255	18	1870	OPTIONAL	297
TBA	EPEC 80 (SCHEDULE 80)	1.5	1.9	0.2	1.476	21	2275	OPTIONAL	468
632162	EPEC 80 (SCHEDULE 80)	2	2.375	0.218	1.913	26	3145	BK	648
633274	EPEC 80 (SCHEDULE 80)	2	2.375	0.218	1.913	26	3145	BK/3-RD STRIPES	648
TBA	EPEC 80 (SCHEDULE 80)	2.5	2.875	0.276	2.29	32	4780	OPTIONAL	989
TBA	EPEC 80 (SCHEDULE 80)	3	3.5	0.3	2.864	39	6420	OPTIONAL	1325
632164	EPEC 80 (SCHEDULE 80)	4	4.5	0.337	3.786	50	9365	BK	1932

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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