EPEC 11 (SDR 11)



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
- ASTM F2160 Standard Specification for Solid Wall High Density Polyethylene (HDPE) Conduit Based on Controlled Outside Diameter (OD)
- 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-11 NEMA TC 7 / SDR11 ASTM F2160 {MMM/DD/YYYY} {MACH/SHFT/OP}

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UPDATED: Dec. 31, 2024, 11:09 p.m.UTC REVISION: 1.000.009

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 11 (SDR 11)	0.75	1.05	0.095	0.84	12	605	OPTIONAL	111
TBA	EPEC 11 (SDR 11)	1	1.315	0.12	1.055	14	960	OPTIONAL	169
633752	EPEC 11 (SDR 11)	1.25	1.66	0.151	1.338	18	1520	OE/3-WE STRIPES	266
TBA	EPEC 11 (SDR 11)	1.5	1.9	0.173	1.533	21	1995	OPTIONAL	346
633754	EPEC 11 (SDR 11)	2	2.375	0.261	1.917	26	3125	OE	534
633753	EPEC 11 (SDR 11)	2	2.375	0.216	1.917	26	3125	OE/3-WE STRIPES	534
TBA	EPEC 11 (SDR 11)	2.5	2.875	0.261	2.322	32	4550	OPTIONAL	784
TBA	EPEC 11 (SDR 11)	3	3.5	0.318	2.826	39	6760	OPTIONAL	1159
634291	EPEC 11 (SDR 11)	4	4.5	0.409	3.633	54	11178	BK	2303

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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