# EPEC 13.5 (SDR 13.5)



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-13.5 NEMA TC 7 / SDR13.5 ASTM F2160 {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 |
| EPEC 13.5 (SDR 13.5) | 3 | 3.5 | 0.259 | 2.951 | 39 | 5610 | OPTIONAL | 1159 |

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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