# EPEC 40 (Schedule 40)



Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

High-Density Polyethylene

## 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" SCH40 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 |
| 632260 | EPEC 40 (SCHEDULE 40) | 0.75 | 1.05 | 0.113 | 0.804 | 12 | 710 | GY | 149 |
| 632429 | EPEC 40 (SCHEDULE 40) | 0.75 | 1.05 | 0.113 | 0.804 | 12 | 710 | BK | 149 |
| TBA | EPEC 40 (SCHEDULE 40) | 1 | 1.315 | 0.133 | 1.029 | 14 | 1050 | OPTIONAL | 219 |
| 632028 | EPEC 40 (SCHEDULE 40) | 1.25 | 1.66 | 0.14 | 1.36 | 18 | 1420 | BK | 297 |
| 632263 | EPEC 40 (SCHEDULE 40) | 1.25 | 1.66 | 0.14 | 1.36 | 18 | 1420 | GY | 297 |
| 632249 | EPEC 40 (SCHEDULE 40) | 1.25 | 1.66 | 0.14 | 1.36 | 18 | 1420 | BK/3-RD STRIPES | 297 |
| 633608 | EPEC 40 (SCHEDULE 40) | 1.5 | 1.9 | 0.145 | 1.59 | 21 | 1700 | OE | 354 |
| 632156 | EPEC 40 (SCHEDULE 40) | 2 | 2.375 | 0.154 | 2.047 | 26 | 2280 | BK | 475 |
| 632266 | EPEC 40 (SCHEDULE 40) | 2 | 2.375 | 0.154 | 2.047 | 26 | 2280 | GY | 475 |
| 633607 | EPEC 40 (SCHEDULE 40) | 2 | 2.375 | 0.154 | 2.047 | 26 | 2280 | OE | 475 |
| TBA | EPEC 40 (SCHEDULE 40) | 2.5 | 2.875 | 0.203 | 2.445 | 32 | 3615 | OPTIONAL | 749 |
| 631294 | EPEC 40 (SCHEDULE 40) | 3 | 3.5 | 0.216 | 3.042 | 39 | 4740 | BK | 978 |
| 632385 | EPEC 40 (SCHEDULE 40) | 4 | 4.5 | 0.237 | 3.998 | 50 | 6745 | GY | 1396 |

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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