



## EPEC 80 (Schedule 80) With 1250 lb Mule Tape



Image not to scale. See Table 1 for dimensions.

### CONSTRUCTION:

- High-Density Polyethylene (HDPE)
- 1250 lb Mule Tape

### 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}





**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)<br>With 1250 lb Mule Tape | 0.75              | 1.050                     | 0.154                    | 0.722                    | 12                       | 710                    | Optional        | 149                           |
| 632184       | EPEC 80 (Schedule 80)<br>With 1250 lb Mule Tape | 1.00              | 1.315                     | 0.133                    | 0.936                    | 14                       | 1360                   | BK/3-RD stripes | 219                           |
| TBA          | EPEC 80 (Schedule 80)<br>With 1250 lb Mule Tape | 1.25              | 1.660                     | 0.140                    | 1.255                    | 18                       | 1870                   | Optional        | 297                           |
| TBA          | EPEC 80 (Schedule 80)<br>With 1250 lb Mule Tape | 1.50              | 1.900                     | 0.200                    | 1.476                    | 21                       | 2275                   | Optional        | 468                           |
| 631923       | EPEC 80 (Schedule 80)<br>With 1250 lb Mule Tape | 2.00              | 2.375                     | 0.218                    | 1.913                    | 26                       | 3145                   | BK              | 648                           |
| TBA          | EPEC 80 (Schedule 80)<br>With 1250 lb Mule Tape | 2.50              | 2.875                     | 0.276                    | 2.290                    | 32                       | 4780                   | Optional        | 989                           |
| 631966       | EPEC 80 (Schedule 80)<br>With 1250 lb Mule Tape | 3.00              | 3.500                     | 0.300                    | 3.786                    | 39                       | 6420                   | BK              | 1325                          |
| 632780       | EPEC 80 (Schedule 80)<br>With 1250 lb Mule Tape | 4.00              | 4.500                     | 0.337                    | 3.786                    | 50                       | 9365                   | BK              | 1936                          |

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

