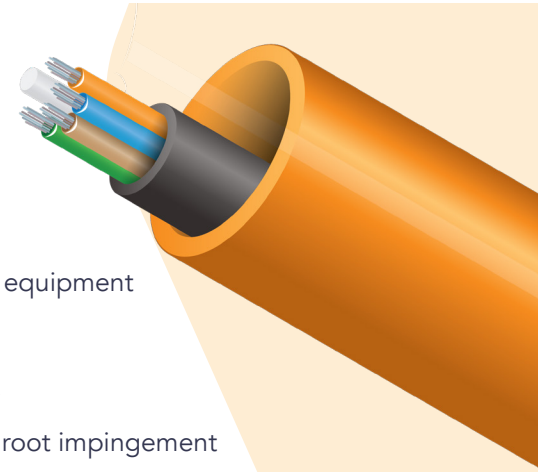
SPECIALTY

CABLE-IN-CONDUIT COMMUNICATION



- Manufactured from flexible HDPE, makes gradual bends without special equipment
- Continuous lengths reduce joining costs
- Excellent low-temperature properties, allows installation in cold climates
- Outstanding long-term cable protection from shifting ground, rock, and root impingement
- Provides a permanent pathway, simplifies future cable repairs or replacement
- Available with UV protectant for aerial/lashed placement
- ETL listed to UL standards

INSTALLATION TYPES

Aerial
Overrides
Plow
Direct Burial

SIZE RANGE

16/13mm
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"

WALL TYPES

SDR 11
EPEC-B/SDR 13.5
EPEC-40/SCH 40
EPEC-80/SCH 80

COLORS

or custom colors with optional stripes

FEATURES

STANDARD

MATERIAL Manufactured from flexible HDPE (High Density Polyethylene)

SPECIFICATIONS All Smoothwall conduit dimensions meet or exceed one or more of the following: ASTM F-2160, ASTM D-3350, ASTM D-3485, NEMA TC-7, UL 651A, UL 1990, Bellcore GR-356, and CSA C22.2 #327-18

CONDUIT MARKINGS Permanent marking along conduit includes: material, relevant standards, production info, and sequential feet or meter markings. Custom options available.

OPTIONS

CO-EXTRUDED LINING SILICORE® ULF (Ultra-Low Friction) is co-extruded inside the HDPE wall creating a slick, permanent, interior lining. With a coefficient of friction 60% lower than standard HDPE conduit without the aid of wet lubricants, SILICORE® ULF exhibits no loss in performance over time or in extreme temperature conditions.

PRE-INSTALLED CABLE Single or multiple cables may be pre-installed. Typical cable components are: Service Drops, Fiber, Coaxial, 600 Volt Al, 600 Volt Cu, Medium Voltage. Custom options available.

UV PROTECTANT Available for UV exposure applications (Aerial, Lashed, or External Tray)

SMOOTHWALL TECHNICAL SPECIFICATIONS

SIZE	WALL TYPE	NOM OD (IN)	OD TOLERANCE +/-	MIN WALL (IN)	WALL TOLERANCE +	AVG ID (IN)	MIN ID (IN)	WEIGHT (LB/FT)	BEND RADIUS SUP (IN)	BEND RADIUS UNSUP (IN)	SWPS (LB)
16/13 mm	N/A	0.630	N/A	N/A	N/A	N/A	0.500	0.043	6	13	229
1/2"	SDR 11	0.840	0.004	0.076	0.020	0.668	0.648	0.084	8	16	440
	SDR 13.5	0.840	0.004	0.062	0.020	0.696	0.676	0.072	8	16	365
	SCH 40	0.840	0.004	0.109	0.020	0.602	0.582	0.111	8	16	601
	SCH 80	0.840	0.004	0.147	0.020	0.526	0.506	0.139	8	16	768
3/4"	SDR 11	1.050	0.005	0.095	0.020	0.840	0.820	0.128	10	20	687
	SDR 13.5	1.050	0.005	0.078	0.020	0.874	0.854	0.110	10	20	570
	SCH 40	1.050	0.005	0.113	0.020	0.804	0.784	0.148	10	20	798
	SCH 80	1.050	0.005	0.154	0.020	0.722	0.702	0.188	10	20	1,040
1"	SDR 11	1.315	0.007	0.120	0.020	1.055	1.035	0.199	13	26	1,078
	SDR 13.5	1.315	0.007	0.097	0.020	1.101	1.081	0.167	13	26	894
	SCH 40	1.315	0.007	0.133	0.020	1.029	1.009	0.217	13	26	1,340
	SCH 80	1.315	0.007	0.179	0.021	0.936	0.915	0.276	13	26	1,533
1 1/4"	SDR 11	1.660	0.008	0.151	0.020	1.338	1.318	0.312	17	34	1,717
	SDR 13.5	1.660	0.008	0.123	0.020	1.394	1.374	0.263	17	34	1,425
	SCH 40	1.660	0.008	0.140	0.020	1.360	1.340	0.293	17	34	1,604
	SCH 80	1.660	0.008	0.191	0.023	1.255	1.232	0.382	17	34	2,116
1 1/2"	SDR 11	1.900	0.010	0.173	0.021	1.533	1.512	0.408	19	38	2,249
	SDR 13.5	1.900	0.010	0.141	0.020	1.598	1.578	0.342	19	38	1,867
	SCH 40	1.900	0.010	0.145	0.020	1.590	1.570	0.350	19	38	1,919
	SCH 80	1.900	0.010	0.200	0.024	1.476	1.452	0.463	19	38	2,564
2"	SDR 11	2.375	0.012	0.216	0.026	1.917	1.891	0.636	24	48	3,515
	SDR 13.5	2.375	0.012	0.176	0.021	2.002	1.981	0.528	24	48	2,917
	SCH 40	2.375	0.012	0.154	0.020	2.047	2.027	0.469	24	48	2,579
	SCH 80	2.375	0.012	0.218	0.026	1.913	1.887	0.641	24	48	2,545

* Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.
† Safe working pull strength is calculated at 80% of tensile or breaking strength