

## SPECIALTY

# SMOOTH-COR FLEX

- ▶ **Flexible:** Reduces/eliminates the need for sweeps and bends
- ▶ **Lightweight:** Easier installation, 70% lighter than SCH 40 PVC
- ▶ **Compatibility:** Easily adapts to other conduit materials
- ▶ **Glueless coupling:** Safe, quick assembly
- ▶ **Gasketed:** Air- and water-tight
- ▶ **Low COF:** Longer cable pulls with lower cable stress

### INSTALLATION TYPES

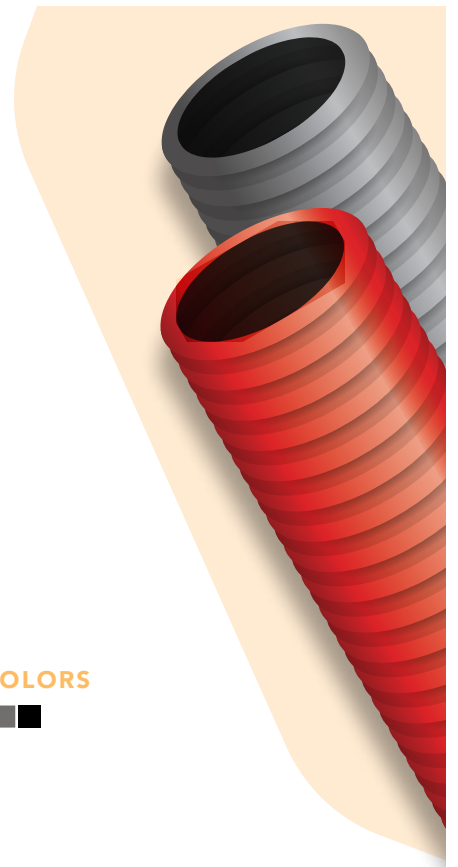
Underground  
Direct Bury  
Concrete Encasement

### SIZE RANGE AVAILABLE

2"  
3"  
4"

### STANDARD COLORS

Outer Wall: ■ ■ ■  
Inner Wall: ■



## FEATURES

### STANDARD

**DETAILS** Manufactured from flexible HDPE (High Density Polyethylene)

**SPECIFICATIONS** All Smooth-Cor Flex dimensions meet or exceed one or more of the following: ASTM D-3350, ASTM D-638, ASTM D-792, ASTM D-1238, ASTM D-1693. Smooth-Cor Flex HDPE conduit is designed for conductors rated at 90 °C (194 °F) and 105 °C (221 °F), in accordance with the US National Electrical Code (NEC, NFPA 70). It complies with Articles 353 for High Density Polyethylene (HDPE) Conduit and 354 for Nonmetallic Underground Conduit with Conductors (NUCC).

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

**CO-EXTRUDED LINING** Corrugated exterior with a semi-smooth, co-extruded inner layer to aid in cable installation vs. single wall corrugated duct

**PRE-INSTALLED TAPE** Factory pre-installed Bull-Line™ 1250lb Pull Tape comes standard in Smooth-Cor Flex on steel reels. Smooth-Cor Flex coils are only available as empty.

### OPTIONS

**PACKAGING** Available on steel reels or 250' coils



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## COIL PACKAGING FOR SMOOTH-COR FLEX

SIZE	LENGTH	WEIGHT/ COIL (LBS)	COILS/ PALLET	PALLETS/TRUCK	QTY/TRUCKLOAD	RED PART #	GREY PART #	BLACK PART #
2"	250'	55	3	26	19,500	20000670	20004695	20000685
3"	250'	108	3	20	15,000	20000671	20004696	20000709
4"	250'	142	3	9	6,750	20000672	20004732	20000711

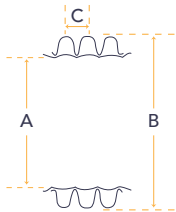
## REEL PACKAGING FOR SMOOTH-COR FLEX

SIZE	LENGTH	REEL SIZE	RED PART #	GREY PART #
2"	3,600	96 x 45	20005462	20005607
3"	1,840	96 x 45	20005463	20005608
4"	900	96 x 45	20005464	20005609

## TECHNICAL SPECIFICATIONS FOR SMOOTH-COR FLEX

LENGTH	250' COILS	
Pipe Stiffness	ASTM D 2412	2" 75 LBS/IN/IN 3" 88 LBS/IN/IN 4" 116 LBS/IN/IN
Impact Resistance per Falling Tup	ASTM D 2444	45-50 FT-LB @ 72 degrees 40 FT-LB @ 32 degrees
Coupler Water- & Air-Tight	ASTM D 3212	10 psi

## TECHNICAL SPECIFICATIONS FOR SMOOTH-COR FLEX

PRODUCT	DUAL WALL	A I.D.	B O.D.	C TOTAL WIDTH	INNER WALL THICKNESS	OUTER WALL THICKNESS	BEND RADIUS (IN)
	2"	2.045" 51.943mm	2.495" 63.373mm	0.325" 8.255mm	0.020" ± 0.010" 0.508mm ± 0.254mm	0.023" ± 0.007" 0.584mm ± 0.178mm	9
	3"	2.950" 74.930mm	3.510" 89.154mm	0.360" 9.144mm	0.027" ± 0.010" 0.686mm ± 0.254mm	0.033" ± 0.007" 0.838mm ± 0.178mm	13
	4"	3.980" 101.092mm	4.730" 120.142mm	0.650" 16.510mm	0.027" ± 0.010" 0.686mm ± 0.254mm	0.033" ± 0.007" 0.838mm ± 0.178mm	16

## MATERIAL DESIGNATION

TEST METHOD	DESCRIPTION	VALUES
ASTM D 3350	HDPE Resin Cell Classification	334480 C or E
ASTM D 638	Tensile strength at yield	3000 PSI Min
ASTM D 638	% Ultimate Elongation Value	400 Min
ASTM D 792	Density g/cm3	0.941 - 0.959
ASTM D 1238	Melt Index, g/10 min Condition E	0.5 Max
ASTM D 1693	ESCR Condition B, F10	96 hrs.



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