

SPECIALTY

SMOOTH-COR FLEX

- ▶ **Flexible:** Reduces/eliminates the need for sweeps and bends
- ▶ **Crush resistant:** Equivalent to Schedule 40 PVC
- ▶ **Lightweight:** Easier installation, 40% lighter than 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

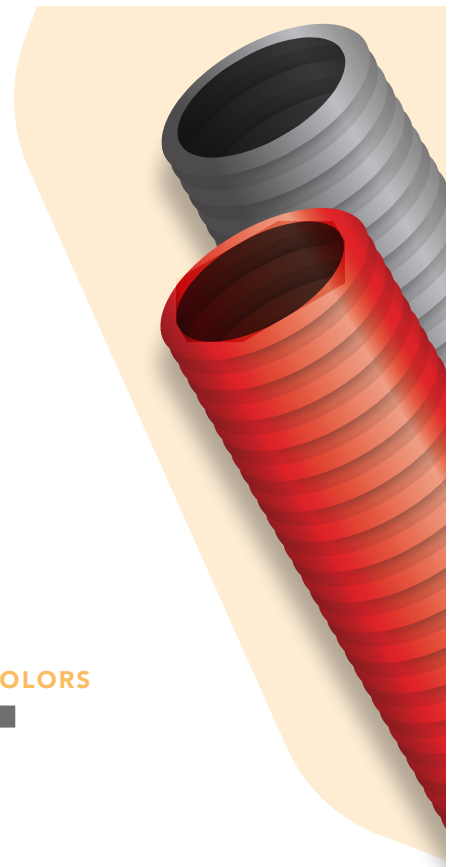
Underground
Direct Bury
Concrete Encasement

SIZE RANGE AVAILABLE

2"
3"
4"

STANDARD COLORS

Outer Wall: ■ ■
Inner Wall: ■



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

FEATURES



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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 #
2"	250'	55	3	26	19,500	20000670	20004695
3"	250'	108	3	20	15,000	20000671	20004696
4"	250'	142	3	9	6,750	20000672	20004732

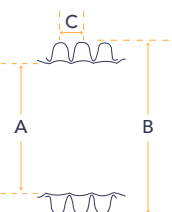
REEL PACKAGING FOR SMOOTH-COR FLEX

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/cm ³	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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