

FIBERTEL HDPE INNERDUCT

1/2" - 8" (12mm - 200mm)



FiberTel® High Density Polyethylene (HDPE) Innerduct is certified to CSA C22.2 No. 327 HDPE conduit for both SDR11 and SDR13.5 wall thicknesses. FiberTel is available in various colours and sizes and combines the features of flexibility, durability, lightweight and ease of installation.

Mechanically and chemically resistant to a host of environmental conditions, FiberTel is resistant to decomposition, oxidation, and hostile elements that cause damage to other materials. Used for communication, data, cable television, power and general purpose ducting, FiberTel is ideal for both short runs and cross-country distances. Always check for proper use and application with the local authority having jurisdiction before installation.

A special feature of FiberTel is that it can be engineered to suit your needs. The wall thickness, diameter, colour, resin type and coil lengths can all be specified to meet the requirements of your project.

APPLICATIONS

- Communication
- Data
- Cable Television
- Power and General Purpose Ducting

STANDARDS

SDR 11 and 13.5 (1/2" - 4")



Electrical CSA C22.2 No. 327

ADVANTAGES

- 1 Durable**
FiberTel is constructed of high density polyethylene offering a high tensile strength reducing elongation and stretching. This results in an increased lifespan and lower maintenance costs.
- 2 Weather Resistant**
FiberTel features a unique formulation that protects it against the harmful effects of excessive ultraviolet rays. For above-ground installations, no special covering, coating or protection is required.
- 3 Colour Coding**
FiberTel is available in a multitude of colours. It can also be permanently marked with a single or triple stripe identification system. The coloured stripe is actually part of the pipe wall and will always remain visible, permanently identifying the pipe.
- 4 Wall Surface**
The smooth interior surface of FiberTel offers reduced friction making cables easier to pull.
- 5 Sequential Printing**
FiberTel coils and reels come complete with sequential footage printing on the pipe indicating how much footage is left after installation. This is a very convenient feature for people in the field!
- 6 User Friendly**
The flexibility of FiberTel allows for easy bending during installation. Breaking due to expansion and contraction is virtually eliminated. FiberTel can absorb sudden impact without suffering damage – even in extreme conditions.
- 7 Pull Strings and Mule Tapes**
FiberTel is available with various types of pull strings or mule tapes upon request.
- 8 Quality Control**
FiberTel is manufactured under strict quality control, ensuring that only top quality product leaves our manufacturing facilities. Our quality process extends from the raw material to the finished goods.

PRODUCT SELECTION CHART

Nominal Pipe Size		Average OD			DR 11				DR 13.5			
		Nom.	Min.	Max.	Min. Average Wall Thickness and Tolerance		Min. Avg. Inside Dia.	Wgt	Min. Average Wall Thickness and Tolerance		Min. Avg. inside dia.	Wgt
					Wall Thickness	Wall (+) Tolerance			Wall Thickness	Wall (+) Tolerance		
in.	mm	mm	mm	mm	mm	mm	mm	Kg/m	mm	mm	mm	Kg/m
1/2	12	21.34	21.20	21.40	1.94	0.51	16.30	0.13	1.58	0.51	17.02	0.11
3/4	20	26.67	26.60	26.80	2.42	0.51	20.73	0.19	1.98	0.51	21.63	0.16
1	25	33.40	33.30	33.50	3.04	0.51	26.21	0.30	2.47	0.51	27.33	0.25
1-1/4	32	42.16	42.00	42.30	3.83	0.51	33.31	0.46	3.12	0.51	34.73	0.39
1-1/2	40	48.26	48.10	48.40	4.39	0.53	38.27	0.60	3.57	0.51	39.93	0.51
2	50	60.33	60.20	60.50	5.48	0.66	47.91	0.94	4.47	0.54	50.18	0.79
2-1/2	65	73.03	72.80	73.20	6.64	0.80	57.92	1.38	5.41	0.65	60.68	1.15
3	75	101.60	88.70	89.10	8.08	0.97	70.60	2.05	6.59	0.79	73.95	1.70
4	100	114.30	113.80	114.80	10.39	1.25	90.52	3.39	8.47	1.02	94.83	2.82



DID YOU KNOW?

Polyethylene is a thermoplastic which expands and contracts with temperature changes. If pipe is expected to contract after it is installed, it should be snaked in the trench, or if expansion is anticipated, it should be installed straight.

Other non-certified FiberTel options are available

- Wall thicknesses (Sch 40/80, SDR9, SDR15.5, SDR17)
- Sizes (5", 6", 8")
- Internal and/or external ribs

Contact your Sales rep to find out more about our certified and non-certified HDPE pipe products.



INSTALLATION

FiberTel pipe should be cut square using a hand or power saw. All burrs and cuttings must be removed to ensure a good reliable joint.

Joining FiberTel requires no sophisticated tools or special equipment. FiberTel can be heat-fused using standard equipment or joined with compression fittings.

FiberTel can be installed in an open trench, direct plowed, or installed using various trenchless technology methods.

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The bottom of the trench and the backfill materials must be free of stones, rocks or debris that may damage the pipe.