

CONSTRUCTION AND TYPES OF EFLEX

EFLEX Is Available in Many Sizes

Ranging from 30 Ø to 150 Ø

Ready to Be Delivered upon Request

The standard dimensions of EFLEX are as shown in the table below. A pilot wire is provided inside EFLEX in the course of its production. It is connected with the cable pilot wire to pull the cable in to the pipe. EFLEX is, as a rule, shipped from the factory, wound in a coil. A pilot wire has an allowable tensile strength of 50 kg.

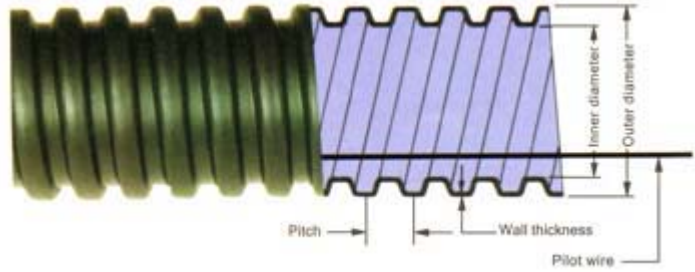


Table of Standard Dimensions

Size mm	Outer Diameter about mm	Inner Diameter about mm	Wall Thickness about mm	Pitch about mm	Weight for reference kg/m	Standard length per coil m	Standard OD and height of coil m
30 Ø	40	30	1.4	10	0.23	300	1.4 x 0.55
50 Ø	64	50	1.4	17	0.36	200	1.5 x 0.7
80 Ø	102	80	1.9	25	0.8	100	1.7 x 0.7
100 Ø	130	100	2.0	33	1.1	100	1.9 x 0.8
125 Ø	160	125	2.2	39	1.6	100	2.05 x 1.0
150 Ø	188	150	2.5	44	2.3	50	1.7 x 1.25

- When purchasing EFLEX, it is recommended that its nominal diameter be more than 1.5 times as large as the outer diameter of the cable to be accommodated.
- Dimensions other than the above standards are acceptable, but requests for longer dimensions cannot always be met due to transportation considerations.

Remark : EFLEX SIZE O 200 MM.(ID.) WILL BE SUPPLIED ORIGINAL TYPE. FOR ANY FURTHER INFORMATION SUCH AS PRODUCT STRUCTURE, SPECIFICATION, WITNESS TEST, KINDLY DO NOT HESITATE TO CONTACT US : TEL : (66) 02653-2550 EXT : 329, 330, 331

Accessories of EFLEX



- **Bellmouth with cover**
For preventing sand from entering spare conduits



- **EFLEX Clamp**
If EFLEX units are fitted to a terminal box



- **Waterproof cap for EFLEX End**



- **Waterproof Material for EFLEX Used in Manholes and Riser.**



- **Straight Joining Part (for joining the EFLEX system together)**



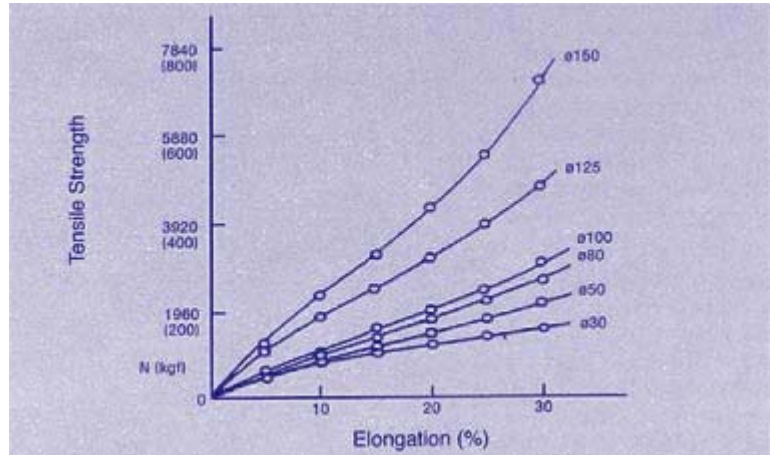
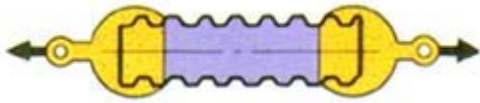
- **Joining EFLEX to Other Pipes**

PROPERTIES OF EFLEX

•Product Characteristics

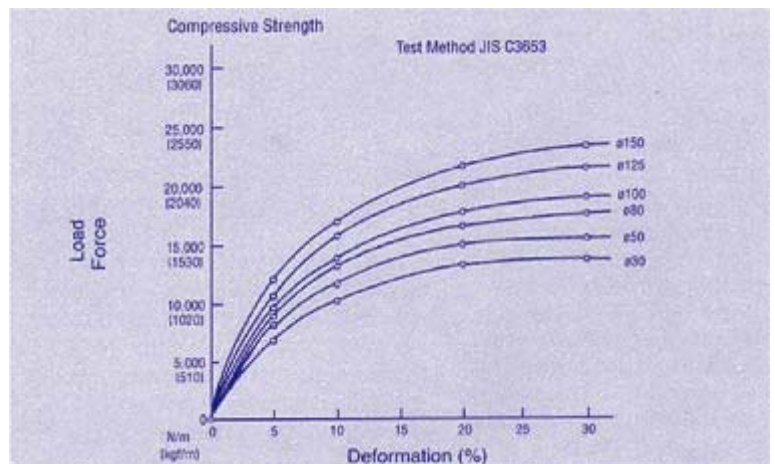
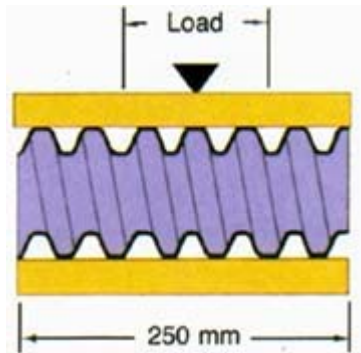
Tensile Strength

When EFLEX, both ends of which have been specially processed with terminals, is stretched axially, it displays tensile strengths for different sizes as shown in the top Figure. When released from an approximately 40% elongation, EFLEX returns to its original state without retaining any permanent strain. In addition, its joints demonstrate the same strength as its main body.



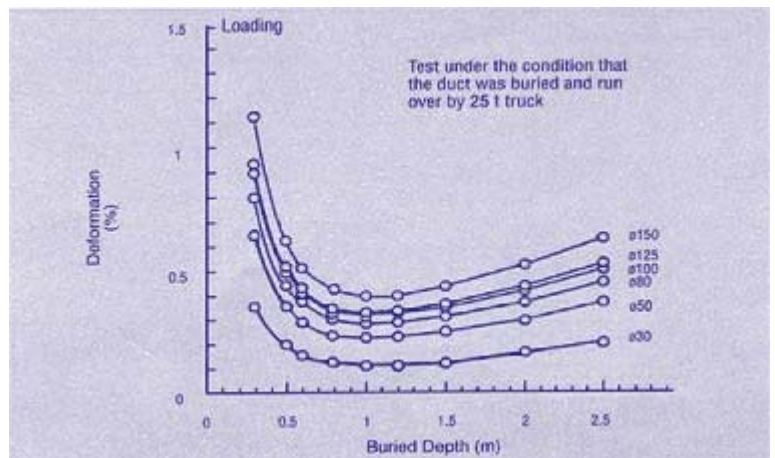
•Flat-compression Characteristics

When compressed between two parallel plates as shown in the sketch below, EFLEX displays the relationship between load and elongation according to size as shown in the middle Figure.



•Load-withstanding Strength

For this, EFLEX was buried 1.2 m under the ground and was run over by a truck. The flattening deformation was measured that EFLEX was scarcely affected, demonstrating sufficient strength.

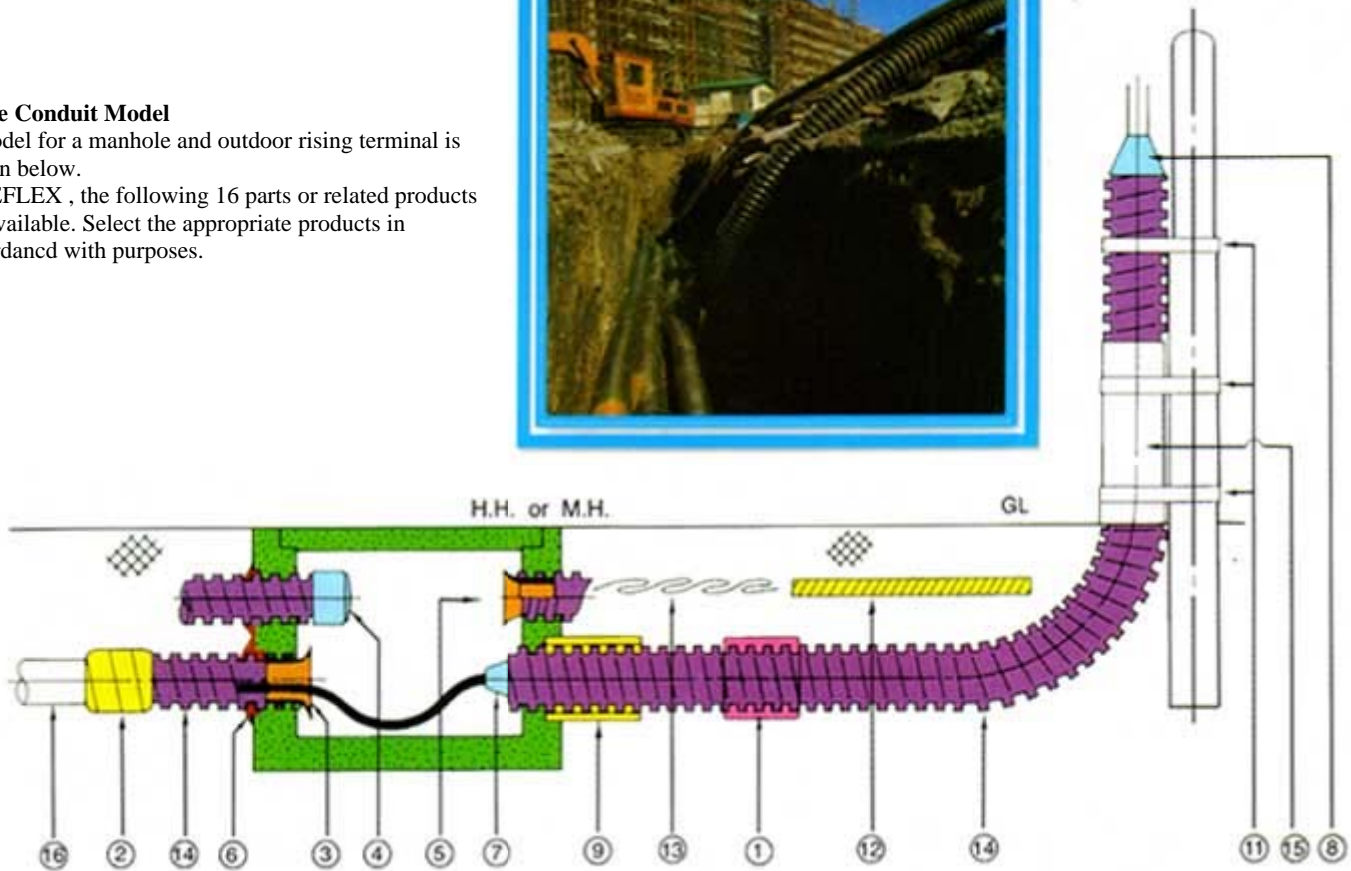


Parts and Related Products of EFLEX-Ensure Safer, More Reliable Cable Conduits

Cable Conduit Model

A model for a manhole and outdoor rising terminal is shown below.

For EFLEX, the following 16 parts or related products are available. Select the appropriate products in accordance with purposes.



Parts and Related Products	Purpose	Type
1. Straight joining materials	For joining EFLEX units together	For EFLEX sizes
2. joining materials for EFLEX to other pipes	For joining EFLEX units other pipes	Various in accordance with method pipes
3. Bellmouth	For finishing manhole wall	For EFLEX sizes
4. Waterproof cap	For closing the openings of spare conduits	For EFLEX sizes
5. Bellmouth with cover	To prevent sand from entering spare conduits	For EFLEX sizes
6. Waterproof wall sealing compound	For sealing manhole walls against water	Two-agent type
7. Waterproof materials for EFLEX in manhole (Sand Preventive)	For waterproof treatment of manhole walls	For EFLEX sizes each for single and for multiple cables
8. Outdoor end treatment (Sand Preventive)	For waterproof treatment of rising terminals	For EFLEX sizes each for single and for multiple cables
9. Buffer materials	For reinforcing the outside of manholes	For EFLEX sizes
10. Clamp	For security of terminal boxes	For EFLEX sizes
11. Universal band (commercially available)	For security of terminal boxes	For 50 mmØ or less and for 80 mmØ or up
12. EFLITE	For security of electrical poles	20 mm thick, 300 mm wide and 1700 mm long
13. Sign tape	For Preventing damage during-trenching	0.15 mm thick, 150 mm wide and 50 m long
14. EFLEX		
15. Rising end protector (commercially available)		
16. Other pipe		

