CONDUIT

TECHNICAL DATASHEET

SNOWLITE®

About Us

Snowlite began its journey in 2006 with a vision to become the most trusted electrical brand in the world. Guided by this purpose, we have built a strong global footprint across 20+ countries in Europe, Africa and Asia over the past two decades.

Today, Snowlite has developed advanced manufacturing capabilities in India, Turkey, Malaysia and China. Our identity is shaped by three core commitments reflected in every product we create- innovation, quality and affordability.

At Snowlite, we serve residential, industrial and commercial sectors. Our ever-expanding product portfolio includes cables, lighting, tools, switching devices, control and automation equipment, ventilation systems, protection devices and accessories.

More than 3,000 retail partners and 100,000+ end users place their trust in our products thanks to our consistent focus on quality and support throughout the product's lifetime.

Steel Flexible Conduit

Steel Flexible Conduit is designed to protect electrical cables in demanding environments while allowing flexibility for complex installations. Its strong metal construction ensures mechanical protection, durability, and reliable performance in industrial and commercial applications.

FEATURES

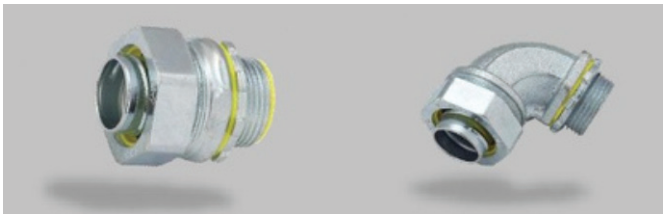
- Suitable for concealed exposed or approved raceway installations.
- Manufactured from hot dipped galvanized steel for corrosion and rust resistance.
- Continuous spiral wound steel strip for flexibility and strength.
- Smooth metal interior for easy and damage free wire pulling.
- Wire temperature rated for safe electrical applications.
- Superior crush resistant construction for mechanical protection.

TECHNICAL DATA

ITEM CODE	SIZE	INTERNAL DIAMETER (MM)	EXTERNAL DIAMETER (MM)	MIN. BEND RADIUS (MM)	COIL PACKAGING (M)
SNSF-12	½"	16.2	19.9	65	30
SNSF-34	¾"	21.3	25.2	75	30
SNSF-01	1"	27.1	32.1	100	15
SNSF-112	1½"	40.6	46.3	150	10
SNSF-02	2"	51.2	58	175	7.5

Grey Liquid Tight Conduit

Grey Liquid Tight Conduit is designed to provide flexible and secure protection for electrical wiring in environments exposed to moisture, oil, and dust. Its durable construction ensures reliable performance while maintaining flexibility for easy installation.



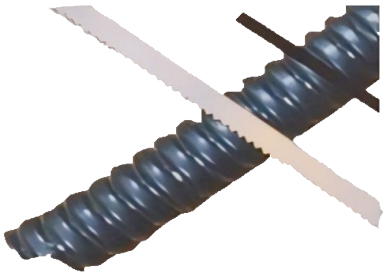
FEATURES

- Liquid tight construction for protection against water and moisture.
- Flexible design allows easy routing around bends and obstacles.
- Durable outer jacket for resistance to abrasion and impact.
- Suitable for indoor and outdoor installations.
- Provides reliable protection for electrical cables in harsh conditions.
- Ideal for industrial commercial and utility applications.

TECHNICAL DATA

ITEM CODE	SIZE	INTERNAL DIAMETER (MM)	EXTERNAL DIAMETER (MM)	MIN. BEND RADIUS (MM)	COIL PACKAGING (M)
SNLT-12	½"	16.31	21.3	85	30
SNLT-34	¾"	21.34	26.67	100	30
SNLT-01	1"	27.08	33.4	120	30
SNLT-112	1½"	40.64	48.26	180	15
SNLT-02	2"	51.94	60.33	220	15

How to cut



The conduit has to be held firmly by hand and a fine teeth saw is to be used to cut it. It has to be cut at right angles and any burrs should be trimmed either with a file or a sharp pair of strips.

If targe volume is to be cut, then use of a vice is recommended to reduce cutting efforts.

Procedure to use

◂ FLEXIBLE CONDUIT

◂ TOP COVER

◂ ADAPTOR

◂ LOCK NUT

- Top Cover of adaptor assembly is to be fixed tightly ont the flexible conduit.

- The adaptor is to be inserted in a clockwise direction to the assembled flexible conduit with top cover.

- Finally the threaded end is to be screwed with the lock nut provided.

INGRESSS
PROTECTION
MARKING

IP65

SOLID PROTECTION

0		Non protected.
1		Protected against a solid object greater than 50 mm, such as a hand.
2		Protected against a solid object greater than 12 mm, such as a finger.
3		Protected against a solid object greater than 2.5 mm, such as a screwdriver.
4		Protected against a solid object greater than 1 mm, such as a most screws and wires.
5		Dust protected. Prevents ingress of dust sufficient to cause harm.
6		Dust tight. no ingress of dust.

IEC

The IP rating system is defined in international standard IEC 605029. IP ratings are used to calssify and define of ingress protection on electrical devices against solids and water. By defining a rating, the IP system ensures specific levels of overate when products are faced with varying elements.

WATER PROTECTION

0		Non protected.
1		Protected against vertical dripping water. Limited liquid entry.
2		Protected against vertical dripping water when tilted up 15 Limited liquid entry.
3		Protected against spraying water at an angle 60 Limited liquid entry.
4		Protected against splashes of water at any angle. Limited liquid entry.
5		Protected against low pressure water jets from any directions. Limited liquid entry.
6		Protected against high pressure water jets from any directions. Limited liquid entry.
7		Protected against the effectss immersion of water between 15 cm and 1 m for 30 minutes.
8		Protected against the effects immersion water under pressure for long periods.
9		Protected from close-range, powerful, high-temperature water jets.