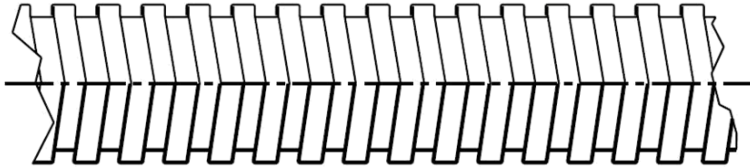


GNS flexible conduits

Item codes : 382381, 382382, 382385, 382387, 382389, 382391, 382393 and 382395



SUMMARY

PAGES

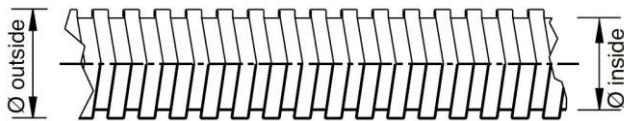
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1. DESCRIPTION AND APPLICATIONS

Galvanized steel flexible conduit with single hemming structure. It's a good solution for static or dynamic applications where is needed a simple steel conduit. It's ideal for the basic protection of electrical connections or for the general distribution in standard environments.

2. DIMENSIONS AND COMPATIBILITY

Dimensions and packaging:



Item	Nominal diameter	Internal diameter [mm]	External diameter [mm]	Curvature radius* [mm]	Pack [m]
382381	10	10,0	13,0	ND	**
382382	12	12,0	15,0	ND	**
382385	16	15,5	18,5	ND	**
382387	21	20,5	24,0	ND	**
382389	27	26,5	30,0	ND	**
382391	35	34,5	38,0	ND	**
382393	40	39,5	44,5	ND	**
382395	51	50,5	55,5	ND	**

* Approximate value: for more information contact Legrand technical offices
 ** On demand

Compatibility:

Connectors, fittings and accessories 200METAL series, connectors MG Metal series, metal accessories and equipments.



3. TECHNICAL FEATURES

Raw material:

Hot-dip galvanized steel (Fe P01-P02) flexible conduit (galvanizing thickness up to 15 µm).

Resistance to chemical agents:

Represents the resistance to chemicals or external agents. The used test method consist of: immersion of the items under test in the chemical substance for 24 hours; once they were dried and conditioned at a constant temperature for other 24 hours, they were checked with the following examinations:

- Visual inspection to check the integrity
- Mechanical bending test
- Mechanical compression test
- IP protection test

Industrial chemical agents	Resistance*
Unleaded petrol	●
Industrial detergent	●
Diesel fuel	●
Lubricant oil	●
Emulsifier solution	●
Washing solvent	●

* resistances to chemicals are indicative. For any specific application or environment please contact Legrand technical offices

- Good resistance
- Medium resistance
- No resistance

Operating temperature:

Minimum: -45° C / -49° F
 Maximum: +250° C / +482° F

Electric properties:




Electric continuity guaranteed.

IP protection index:

IP42 with MG Metal connectors.

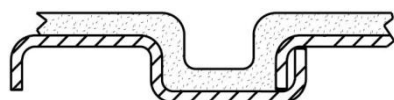
IP42 with 2000METAL series connectors.

1 st digit IP	
Protection against the ingress of solid bodies	
0	No protection
 1	Protection against solid bodies larger than 50 mm (e.g.: accidental contact)
 2	Protection against solid bodies larger than 12 mm (e.g.: finger)
 3	Protection against solid bodies larger than 2.5 mm
 4	Protection against solid bodies larger than 1 mm
 5	Protection against dust
 6	Complete protection against dust

2 nd digit IP	
Protection against the ingress of liquids	
 2	Protection against drops of water falling at up to 15° from the vertical
 3	Protection against drops of rain water at up to 60° from the vertical
 4	Protection against sprays of water from all directions
 5	Protection against jets of water from all directions
 6	Protection against jets of water of similar force to heavy seas
 7	Protection against the effects of immersion
 8	Protection against prolonged effects of immersion under pressure

Conduit structure:

Single hemming structure.



4. ENVIRONMENTAL PROFILE

All the items identified in this technical sheet respect in terms of concentration of substances and raw materials the European legislations about dangerous and forbidden substances and chemical preparations.

5. CONFORMITY AND APPROVALS



All the items identified in this technical sheet are compliant to all the requirements and the regulations currently in force in the European Union about safety, health and environmental issues.

For technical documentation, test reports, commercial information or any other needs please refer to the local LEGRAND office.