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Certified management system by:

- IATF16949
- ISO9001
- ISO13485
- ISO14001
- ISO50001
- IIP (Investors in People)



PRODUCT INFO

INDUSTRIES AND APPLICATIONS



ISOFLEX L reverse

Typical uses

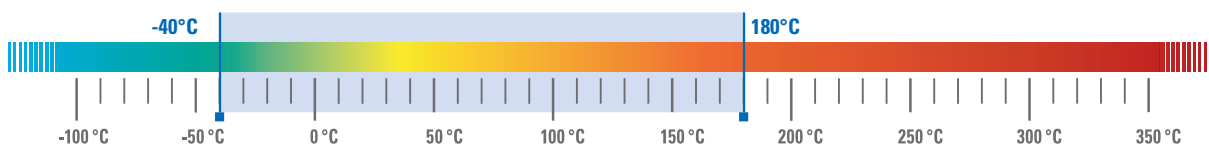
- Automotive industry
- Crash protection
- E-mobility / hybrid
- Electrical insulation
- Cable manufacture
- Line protection
- Commercial vehicles

Key properties

- Long-term heat resistance of -40°C to +180°C
- Short-term heat resistance up to +205°C
- Good protection against short-term partial overheating
- Extremely assembly-friendly thanks to very smooth hose inner surfaces
- Very good resistance to fuels and lubricants for temporary exposure
- High abrasion resistance
- Thick-walled, thermally insulated
- Horizontal self-extinguishing
- Halogen-free flame protection
- Free of plasticisers and heavy metals
- High radial extensibility
- High flexibility
- Very good cost-performance ration thanks to rational knitting procedure
- Physiologically harmless
- Wide colour range
- Nominal diameter of 10,0 mm to 20,0 mm possible



Application temperature



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ISOFLEX L reverse

Product description

The ISOFLEX L reverse is a protective hose made of a high-temperature-resistance textile glass fibre reverse knit with a thick-wall coating made of a special LSR silicone. The modified silicone coating of the ISOFLEX L reverse was provided with special additives to ensure outstanding fire protection and high thermal stabilisation. ISOFLEX L reverse is exceptionally well-suited for thermal and electrical insulation and for mechanical protection of lines of all types (hydraulic lines, cooling hoses, cables, etc.). Due to its very good stability and kinking resistance, the ISOFLEX L reverse protective hose is suited for the production of longer cable sets. The softening point of the thick-walled inner hose made of textile glass fibres is at approx. 720°C. The textile glass fibre reverse knit is suitable for a continuous temperature of approximately 350°. The melting point of the textile glass fibre is at approximately 880°C. The reverse knit gives the hose an extremely smooth inner surface, which allows wires, cables or other elements to be protected to be pushed through the ISOFLEX L reverse very easily. The main applications of ISOFLEX L reverse are in the automotive industry. ISOFLEX L reverse also distinguishes itself as a crash-protection hose, for example, in e-mobility. A good resistance to a wide variety of media, such as oils, greases, diluted acids and lyes as well as UV and ionising radiation rounds out the profile of ISOFLEX L reverse. ISOFLEX L reverse is free of plasticisers, heavy metals and flame retardants containing halogen.

Application properties

Property	Standard	Test requirements	Result
Dielectric strength	Based on DIN EN 60684	Test at room temperature	>2,50kV
Flame resistance	Based on FMVSS302	Flame height 38 mm Flame exposure 15 s	Self-extinguishing

Ecology, Environment & Safety

Ingredients compliant with VDA - requirements

IMDS listed

RoHS, GADSL compliant

Non-asbestos, textile glass fibres non-carcinogenic, non hazardous to the environment, not hazardous to water

In use and disposal of the ISOFLEX L reverse there are no environmentally relevant co-products expected.

BIW-Standard dimensions

ISOFLEX L reverse (Code: GGE)

On demand individual colours and dimensions available at any time

ID [mm]	Tol. ID [mm]	Wd [mm]	Tol. Wd [mm]	Ring [m]
10.0	±1.5	2.50	±0.70	50
12.0	±1.5	2.50	±0.70	50
16.0	±1.5	2.50	±0.70	25
18.0	±1.5	2.50	±0.70	25
20.0	±1.5	2.50	±0.70	25