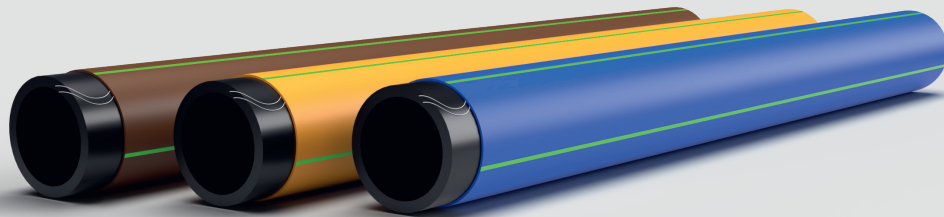


GEROfit® NEXUS Protective jacket pipe

Locatable pipe systems for exact localization

As part of the current demographic change, existing urban areas are expanding and new ones are being created. Extensive investments are being made in the renovation, expansion and construction of supply and disposal lines as well as modern communications. In order to make efficient use of the limited urban space available, intelligent routes must be planned and installed in a dense network of pipes and cables and maintained over long periods of time. The media and protective jacket pipes are often laid in a closed construction method, making reliable pipe localization and documentation very challenging.

The innovative GEROfit® NEXUS protective jacket pipe system enables time and cost-saving installation using modern technologies, as well as subsequent and safe route location.



Coupling the locating wire system to devices with GPS function and corresponding software modules enables the exact spatial localization of the pipeline. The three-dimensional data recorded in this way can also be transferred to digital planning documents or project systems using modern communication technology.

Features

- Monitored and certified product quality (DIN CERTCO, DVGW CERT, DIN EN ISO 9001)
- GEROfit® NEXUS media pressure pipe made of stress crack growth resistant PE100-RC
- Type 3 system pipe in accordance with PAS 1075 with additive protective jacket made of modified polyolefin compound
- Pipe system with suitability for subsequent localization and exact positioning for route documentation
- DIN EN 12201, DIN EN 1555

Delivery forms

- Straight lengths
- Coils
- Reels

Pipeline connections by means of

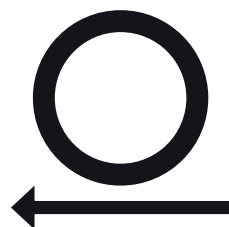
- Butt welding and electrofusion according to DVS
- All other standard PE pipe connections possible (press, push-fit, clamp or flange connections)
- Comprehensive range of accessories for simple reduced, system-compliant connections

Dimensions

- DN/OD 75 to 630mm, further on request
- SDR 11 / 17, further on request



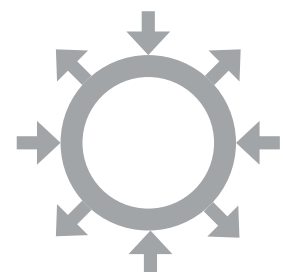
point load resistant



scratch and notch resistant

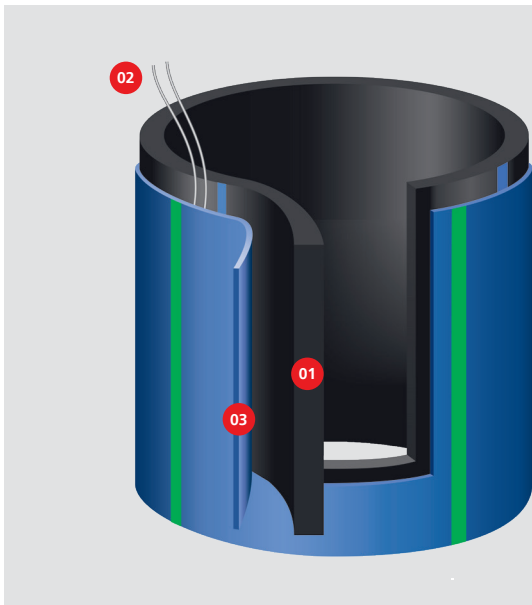


permanently locatable



diffusion-proof

Pipe construction



Reliable localization of GEROfit® NEXUS thanks to integrated induction conductors.

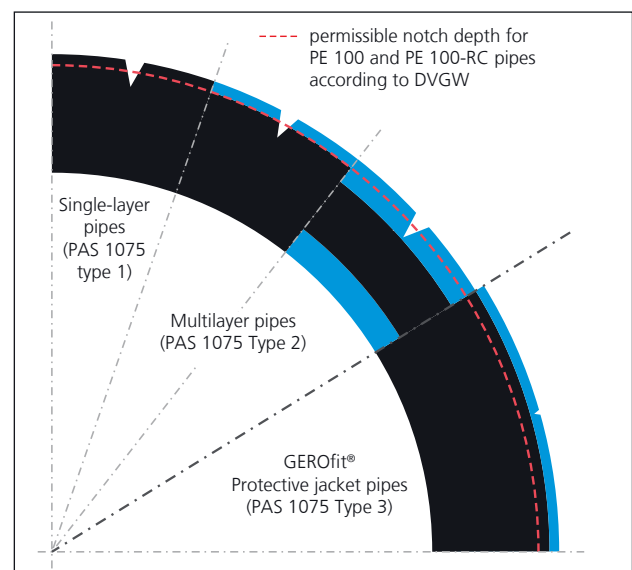
- 01 Inner, media-carrying core pressure pipe made of stress crack resistant PE100-RC and dimensions according to application-specific standards and regulations.
- 02 Sinusoidally corrugated dual wire system with color-coded inductive conductors, embedded in flexible, polyolefin carrier film.
- 03 Dimensionally added, highly scratch-resistant protective jacket made from a modified polyolefin compound for comprehensive protection against scratches and notches in installation methods with high stresses.

Pipe characteristics

GEROfit® NEXUS system pipes consist of a stress-crack resistant PE100-RC core pipe and an outer protective jacket in accordance with PAS 1075. These outstanding properties are complemented by the integration of an innovative locating system to enable precise determination of the pipe route.

The dual wire system enables subsequent active or passive locating and, if suitable measurement technology is used, the recording of precise GPS-supported project data. The flexible embedding of the inductive conductors in a polyolefin carrier film ensures the permanent functionality of the wire system.

With the implementation of this flexible locating system, GEROfit® NEXUS pipes are ideally suited for installation using alternative installation methods (in particular for pipe bursting in accordance with DVGW GW 323).



Excerpt GEROfit® NEXUS accessories



GEROfit® NEXUS wire connectors and fabric tape

GEROfit® NEXUS wire tweezers

GEROfit® NEXUS continuity tester



All information, accessories and processing instructions can be found on our website.

