



Dual Heating Pipe

Double flexible pre-insulated, self-compensating, underground pipe. Especially suitable for heating water, but also for (hot) potable water, wastewater and other fluids.

Corrosion-resistant transport pipe in cross-linked PE-Xa in accordance with DIN 16892/16893, with yellow oxygen diffusion barrier in accordance with DIN 4726. Thermal, elastic, CFC-free foam insulation made from cross-linked PE-X with closed microcellular structure. Minimal water absorption capacity of < 1% in accordance with DIN 53428. Insulating PE-X centrepiece guarantees an effective separation of flow and return pipes. Corrugated outside casing in HDPE, made in accordance with the closed chamber principle to provide high-grade protection to the piping system.

- Max operating pressure: 6 bar
- Max fluid temperature: + 95°C
- PE-Xa pipes: SDR 11
- Standard full coil length: 100 m
- Carrier pipes are individually identified

Specific combinations?
Please contact us.

PIPES

| Art. No. | PE-Xa d _{out} / s | PE-Xa d _{in} | Outside casing d _{out} | Weight | Bending radius (1) | Heat emission (2) |
|------------------|-------------------------------|--------------------------|---------------------------------------|--------|--------------------------|-------------------------|
| Art. No. | mm | DN | mm | kg/m | m | kW |
| MD16025 C | 2 x 25/2,3 | 20 | 160 | 2,21 | 0,50 | ~30 |
| MD16032 C | 2 x 32/2,9 | 25 | 160 | 2,41 | 0,50 | ~60 |
| MD16040 C | 2 x 40/3,7 | 32 | 160 | 2,63 | 0,60 | ~90 |
| MD20050 C | 2 x 50/4,6 | 40 | 200 | 4,03 | 0,80 | ~140 |
| MD20063 C | 2 x 63/5,8 | 50 | 200 | 4,64 | 1,20 | ~220 |

(1) Applicable practical values without risk of pipe distortion or damage.
(2) Average heat emission in kW at T_{water} of 80°C and ΔT of 20°C.

COUPLINGS



| Microflex PE-X coupling (*) | Thread |
|-----------------------------------|----------|
| Art. No. | inch |
| MJ3413425/23 (N) | 3/4" M |
| MJ3414432/29 | 1" M |
| MJ3415440/37 | 1 1/4" M |
| MJ3416450/46 (N) | 1 1/2" M |
| MJ341263/58 | 2" M |

(*) For Duo pipes, provide for two couplings.
(New) For availability, see p. 21.

ACCESSORIES



Dust cap MS



Shrink cap MK



Fix point MFP

Fix points must be installed to absorb the possible effects of thermal expansion / shrinkage of the PE-Xa transport pipes.



| Art. No. | Art. No. | Art. No. | (*) | Thread |
|------------------|-----------------|------------------|--------------|----------|
| Art. No. | Art. No. | Art. No. | Art. No. | inch |
| MD16025 C | MSD16025 | MK3350-01 | MFP34 | 3/4" M |
| MD16032 C | MSD16032 | MK3350-01 | MFP44 | 1" M |
| MD16040 C | MSD16040 | MK3350-02 | MFP54 | 1 1/4" M |
| MD20050 C | MSD20050 | MK3350-03 | MFP64 | 1 1/2" M |
| MD20063 C | MSD20063 | MK3350-05 | MFP2 | 2" M |

(*) For Dup pipes, provide two fix points.