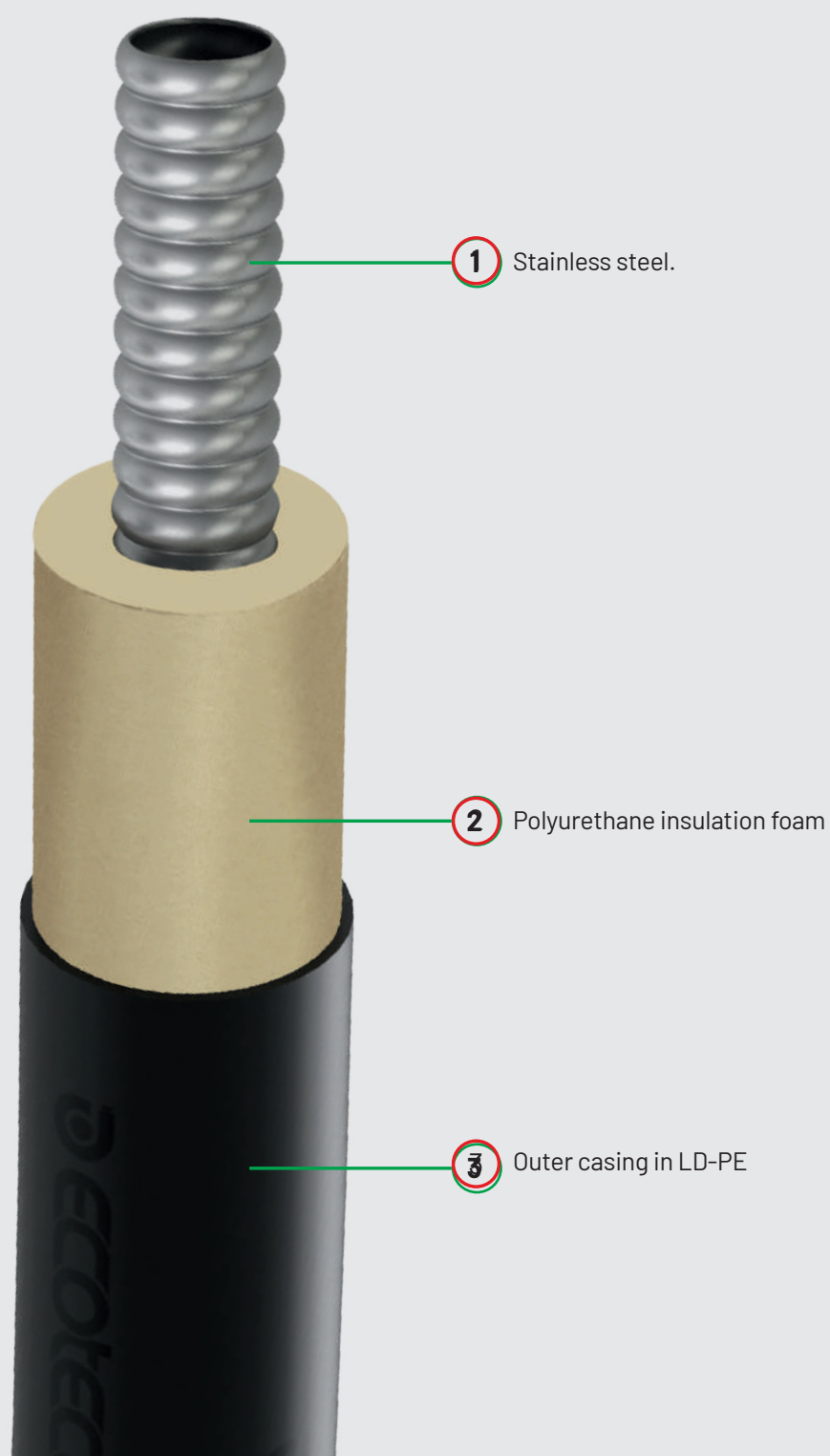


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COMPOSITION

PIPE

Pre-insulated flexible pipes with a stainless steel service pipe, flexible polyurethane insulation, and an LD-PE outer sheath.

STAINLESS STEEL PIPE

MATERIAL AISI 304/316

MAXIMUM CONTINUOUS OPERATING TEMPERATURE 100 C°

MAXIMUM SHORT-TERM OPERATING TEMPERATURE 120 C°

MAXIMUM OPERATING PRESSURE PN 16

Based on the operating parameters of each system, specific calculations can be performed to determine the service life in relation to maximum temperature and pressure.

POLYURETHANE INSULATING FOAM

MATERIAL Polyurethane foam obtained by mixing polyol and isocyanate with a cyclopentane-based blowing agent.

REFERENCE STANDARD Minimum characteristics according to EN 15632-2.

THERMAL CONDUCTIVITY (50°C) ≤ 0,02 W/mK

DENSITY ≥ 50 kg/m³

COMPRESSIVE STRENGTH ≥ 0,2 MPa

LONG-TERM TEMPERATURE RESISTANCE 100°C

AXIAL SHEAR STRENGTH (EN 253) ≥ 0,12 MPa

EXTERNAL SHEATH IN LD-PE

MATERIAL Low-density polyethylene (LD-PE) PE 80, compliant with ISO 12162. MFI variation ≤ 0.5 g/10 min.

REFERENCE STANDARD Minimum characteristics according to EN 15632-2.

SPECIAL TREATMENT Corona treatment.

DENSITY 0,92 g/cm³

ELASTIC MODULUS 325 N/mm²

FIRE REACTION CLASSIFICATION (DIN 4102) B2 (normal flammability).

GENERAL

The pipes are provided in coils cut to the lengths specified by the customer.

ECOFLEX

ECOFLEX® type flexible pre-insulated pipes in rolls, in stainless steel for substation disconnection, building connection, solar panels – EN15632-1/4

ECOFLEX® UNO



ECOFLEX® UNO	
Type	
DN - inches	PE
25 - 1"	110
32 - 1" 1/4	125
40 - 1" 1/2	125
50 - 2"	140

ECOFLEX® DUO



ECOFLEX® DUO	
Type	
DN - inches	PE
25+25 - 1"	125
32+32 - 1" 1/4	140
40+40 - 1" 1/2	160