Copper pipes/CuFlex 2.3

Pipe system

12 metre lengths
isoplus pre-insulated copper pipes are complete piping systems. The pipes consist of a copper carrier pipe and an HDPE jacket pipe bonded to form a complete sandwich construction with insulating polyurethane foam.

Flex pipes
isoplus pre-insulated CuFlex pipes are complete piping systems. The pipes consist of a copper carrier pipe and an LLDPE jacket pipe bonded to form a complete unit with insulating polyurethane foam. The flexible insulation and LLDPE jacket pipe ensure maximum flexibility.

Copper pipes
Straight copper pipes are made of cold drawn, seamless, hard copper piping to EN 1057. Dimensions and tolerances to DIN 1754.
Material - half hard copper (R250) - 5 m lengths
Material - annealed copper (R220) - 12 m lengths
Terms of delivery in accordance with DIN 17671.

CuFlex pipes are made of cold drawn, seamless annealed copper piping to EN 1057. Dimensions and tolerances to DIN 1754.
Material - annealed copper (R220).
Terms of delivery in accordance with DIN 17671.

Pipes are joined by means of capillary brazing (using either flaring or braze fittings) or press couplings.
Max. operating pressure 25 bar

Insulation
The pipes are insulated with polyurethane, foamed using the blowing agent cyclopentane, thus ensuring optimum insulation values.

Compressive strength:	≥ 0.2 MPa
Closed cells:	≥ 88%
Continuous operating temperature:	max. 130°C

Jacket pipe (Flexible pipe)

Material:	Bimodal - LLDPE
Density:	approx. 924 kg/m^3
Melt index:	0.3 g/10 min

Aluminium diffusion barrier between jacket pipe and foam.

Jacket pipe (Straight pipe)
As straight pipe page 2.1.

Gas diffusion barrier
Only on CuFlex pipes.