

## PRODUCT DATA SHEET

### Single cool

Hyper flexible, pre-insulated piping system with a single medium pipe, primarily intended for the transport of cold potable water, cooling water, waste water or other fluids, in buried distribution networks.

The medium pipe is made from high density polyethylene HDPE-100 according to EN 12201 and can operate at pressures up to 16 bar.

The multilayer thermal insulation is made from cross-linked, microcellular polyethylene PE-X foam with a water-repellent closed cell structure, characterized by its durable, non-ageing insulation performance, and its permanent elasticity, maximizing and maintaining the thickness of the insulation layer, even after bending multiple times.

The high-grade, black coloured UV-resistant, double walled, corrugated HDPE jacket pipe shields the pre-insulated piping system against mechanical impacts and moisture, whilst maintaining maximum flexibility.



- Medium pipes: HDPE-100/SDR 11/PN 16
- Operating temperature range: from -20°C up to 20°C (PN 16)  
from 20°C up to 40°C (max. PN 11,8 at 40°C)
- PE-X insulation foam: < 1% water absorption in accordance with ISO 2896
- Full coil length, all dimensions: 100 m
- CFC-free production process

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	Jacket pipe	Medium pipe		Bending radius	Water content	Weight
Art. No.	d <sub>out</sub> [mm]	d <sub>out</sub> x s [mm]	d <sub>in</sub> [mm]	[m] <sup>(1)</sup>	[l/m]	kg/m
<b>C7525</b>	75	25 x 2,3	20,4	0,20	0,327	0,7
<b>C9032</b>	90	32 x 2,9	26,2	0,25	0,539	1,0
<b>C9040</b>	90	40 x 3,7	32,6	0,30	0,835	1,2
<b>C14050</b>	140	50 x 4,6	40,8	0,40	1,307	2,2
<b>C14063</b>	140	63 x 5,8	51,4	0,50	2,075	2,5
<b>C16075</b>	160	75 x 6,8	61,4	0,75	2,961	3,4
<b>C16090</b>	160	90 x 8,2	73,6	1,00	4,254	3,7
<b>C200110</b>	200	110 x 10,0	90,0	1,20	6,362	5,7
<b>C200125</b>	200	125 x 11,4	102,2	1,40	8,203	6,1

<sup>(1)</sup> The indicated minimum bending radius can be applied permanently without affecting the system's quality or performance