

5.7 Tables-DUO Pipes

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Listed below the tables for the Duo pipe.

NB: The temperature value displayed above the different columns gives the temperature differential between the ground temperature and the pipe temperature (average temperature between the flow and the return).

U-value	Microflex DUO Heat Loss in W/m									
	ΔT /Type	10°	20°	30°	40°	50°	60°	70°	80°	90°
0.456	MD20063	4.560	9.120	13.680	18.240	22.800	27.360	31.920	36.480	41.040
0.316	MD16040	3.160	6.320	9.480	12.640	15.800	18.960	22.120	25.280	28.440
0.310	MD20050	3.100	6.200	9.300	12.400	15.500	18.600	21.700	24.800	27.900
0.253	MD16032	2.530	5.060	7.590	10.120	12.650	15.180	17.710	20.240	22.770
0.210	MD16025	2.100	4.200	6.300	8.400	10.500	12.600	14.700	16.800	18.900

U-value	Microflex PRIMO DUO Heat Loss in W/m									
	ΔT /Type	10°	20°	30°	40°	50°	60°	70°	80°	90°
0.442	MD16050	4.420	8.840	13.260	17.680	22.100	26.520	30.940	35.360	39.780
0.343	MD12532	3.430	6.860	10.290	13.720	17.150	20.580	24.010	27.440	30.870
0.265	MD12525	2.650	5.300	7.950	10.600	13.250	15.900	18.550	21.200	23.850

Heat loss tables

The use of PE-X pipes has proved successful for years in many installations worldwide. Data in the tables reflect principal standards and directives that have been established for cross-linked PE-X pipes by competent national and international authorities.

The values used in calculating the heat loss charge are:

λ Insulation: 0.0365 W/m.K

λ Ground: 1.2 W/m.K

λ PE-Xa pipe: 0.35 W/m.K

Depth of cover over top of pipe: 50 cm

With the ΔT being calculated, the heat loss per metre of piping can easily be read along the corresponding line of the table.

For UNO

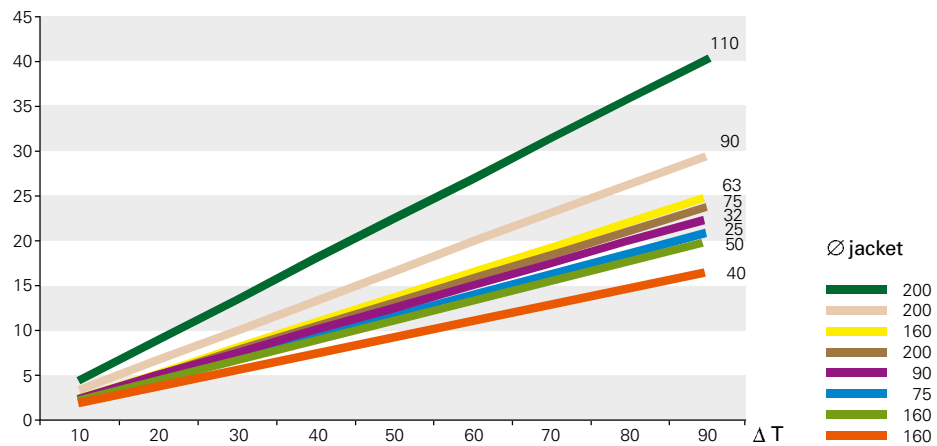
$$\Delta T = T_v - T_o$$

T_v : Flow temperature

T_o : Ground temperature

MICROFLEX® UNO range

Heat losses in W/m



For DUO

$$\Delta T = \frac{(T_v + T_r)}{2} - T_o$$

T_v : Flow temperature

T_r : Return temperature

T_o : Ground temperature

MICROFLEX® DUO range

Heat losses in W/m

