

KUTERLEX PLUS

PLASTIC COATED COPPER TUBE

- BS EN 13349
- BS EN 1057



Kuterlex Plus copper tube is sheathed in a continuous LDPE cover that has air channels on the internal surface. Kuterlex Plus is primarily designed to give the tube enhanced protection from external attack. In addition, the cover creates a thermal barrier which reduces heat loss from buried tube and condensation on exposed cold pipework. It has an insulation factor of 0.29 W/m/K.

STANDARD FEATURES

- Cu-DHP grade copper
- Manufactured in accordance with BS EN 13349 (specification for covered copper tube)
- Copper tube to BS EN 1057
- BSi Kitemark licensed (copper tube)

GUARANTEE

- 25 year guarantee against product failure directly attributable to a manufacturing defect

BENEFITS

- Reduces installation time
- Protects the copper tube against aggressive materials
- Protects the copper tube against accidental damage and abrasion
- Plastic covering withstands water service temperatures up to 95°C
- Covering remains flexible down to -60°C
- Reduces condensation on exposed pipework (see graph 1)
- Reduces surface temperature of the tube (see graph 2), thereby minimising the risk of burns or scalding
- Reduces noise level in exposed pipework
- Removes the need to paint exposed pipework

TYPICAL APPLICATIONS

- Hot water systems
- Underground pipework including contaminated ground
- Pipework installed in concrete
- Humid atmospheres

DESIGN, INSTALLATION AND USE

- All products should be designed, installed and used in accordance with appropriate specifications or codes of practice and/or Yorkshire Copper Tube technical recommendations



BS EN 1057



FM 00452



Kuterlex Plus - Straight Tube Range

BS EN 13349 / BS EN 1057 15-28mm Half hard (R250)

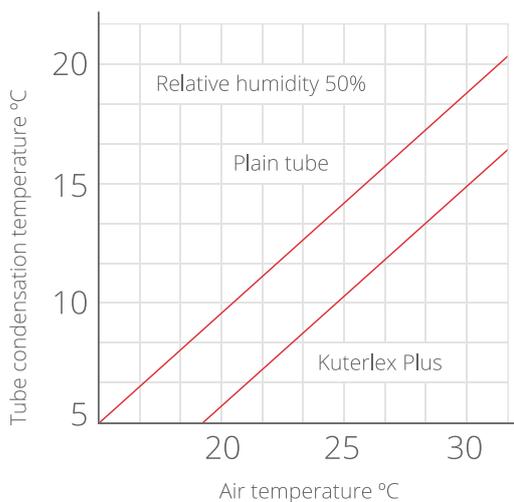
Size OD x Wall	Covering Thickness	Available colours and lengths	Nominal Tube Weight	Nominal Covering Weight	Maximum Working Pressure up to 65°C	Bore Capacity	Tubes per inner bundle	Tubes per master bundle
(mm)	(mm)	5.8m	(Kg/m)	(Kg/m)	(bar) #	(l/m)		
15 x 0.7	2.0	○	0.280	0.07	58	0.145	10	100
22 x 0.9	2.0	○	0.531	0.13	51	0.321	10	100
28 x 0.9	2.5	○	0.682	0.16	40	0.539	5	50

Kuterlex Plus - Coil Range

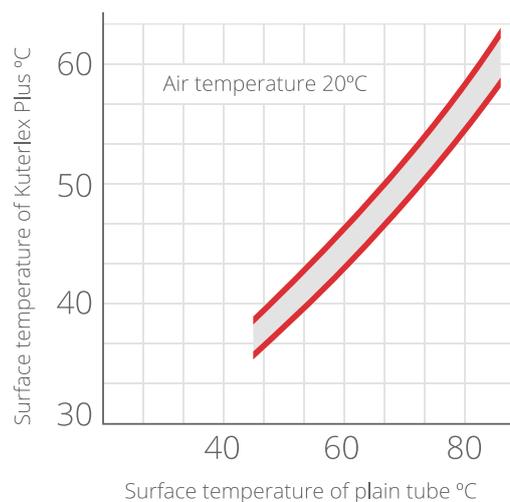
BS EN 13349 / BS EN 1057 Annealed (R220)

Size OD x Wall	Covering Thickness	Available colours and lengths	Nominal Tube Weight	Nominal Covering Weight	Maximum Working Pressure up to 65°C	Bore Capacity
(mm)	(mm)	25m	(Kg/m)	(Kg/m)	(bar) #	(l/m)
10 x 0.7	1.6	○	0.182	0.05	62	0.058
15 x 1.0	2.0	○	0.391	0.07	67	0.133

Based on tube in the supplied hardness



Graph 1: Temperature at which condensation occurs on plain and Kuterlex Plus tubes



Graph 2: Surface temperature of plain and Kuterlex Plus tubes in air