



AL OMRANIYA TRADING CO. L.L.C.

BLUE LABEL EN 1057

INTRODUCTION

The British Standard EN 1057 (brand name Blue Label), specifies the requirements for copper tubes annealed soft coils. The tube is manufactured from phosphorus deoxidised (non arsenical) copper to alloy CW024A. Tube complying to this table is intended for use with Microbore central heating systems and, when buried, should be plastic coated.



APPROVAL

Blue Label conforms to the requirements of the British Standards Institution and Mueller have earned the right to use the

Kitemark as evidence of compliance of this tube to the British Standard EN 1057

Blue Label, and have Registered Firm Status to BS EN ISO 9001 : 2000 : FM 00452.

Nominal dimensions and max working pressures

Nominal outside diameter Ø mm	Wall thickness mm	Maximum working pressure bar
6	0,6	90
8	0,6	66
10	0,7	62

Tolerance on outside diameter

Nominal outside diameter Ø mm		Tolerance on nominal diameter (mm)	
over	up to and including	Applicable to mean diameter all temps	Applicable to any diameter ²⁾
6 ¹⁾	10	±0,04	±0,09

¹⁾ Including 6mm
²⁾ Including deviation from circular form

Tolerance on wall thickness

Nominal outside diameter Ø mm	Tolerances wall thickness e ¹⁾ e < 1 mm %
6,8,10	±10

¹⁾ Including deviation from concentricity
Note
Concentricity (uniformity of wall thickness) is controlled by tolerance on wall thickness.

Mechanical properties

Material temper		Nominal outside diameter Ø mm		Tensile Strength Rm MPa	Elongation A %	Hardness (indicative) HV5
EN 1173	Common term	min.	max.	min	min	VPN
R20	annealed	6	10	220	40	(40-70)

Note 1: Hardness figures in parentheses are not requirements of this standard but are given for guidance purposes only.
Note 2: MPa is equivalent to 1N/mm²

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MARKING

Tube from 6mm to 10mm inclusive, is permanently die stamped «STREAMLINE GB EN 1057 Blue Label» and date of manufacture at intervals of not more than 600mm.

JOINTING

These tubes are suitable for connecting by means of capillary or compression fittings to BS EN1254, silver brazing, bronze or autogenous welding. Due to a degree of ovality from coiling, the tubes should be rerounded prior to jointing with a rerounding tool.

BENDING

Blue Label can be bent with ease on bending machines, or with bending springs, provided they are of the correct size. Manufacturers of bending machines such as Hilmor, Tubela, Consort, etc, are able to supply hand held benders. Bending by spring is normally carried out with external springs and tight radii bends can be achieved.

Weights

	10 M Coil Kg/Coil	20 M Coil Kg/Coil	25 M Coil Kg/Coil	50 M Coil Kg/Coil
6	0,906	1,812	2,265	4,530
8	1,241	2,483	3,104	6,207
10	1,845	3,690	4,613	9,225
<i>Based on theoretical weights</i>				

Lengths & Packaging

Lengths & Packaging Sizes mm	6	8*	10*
10M Coils		•	•
20M Coils		•	•
25M Coils	•	•	•
50M Coils		•	•
Other Coils Lengths	•	•	•
Plastic Sleeved		•	•
SPECIAL FINISHES			
Protac Blue	•	•	•
Protac Green	•	•	•
Protac Yellow	•	•	•
Protac White	•	•	•
Protac 2000 White	•	•	•
Degreased	•	•	•
Degreased Oxygen	•	•	•
<i>*Coils of sizes 8mm and 10mm OD are supplied pre-packed in multiples of 200 metres per coil length only.</i>			