



MUELLER EUROPE

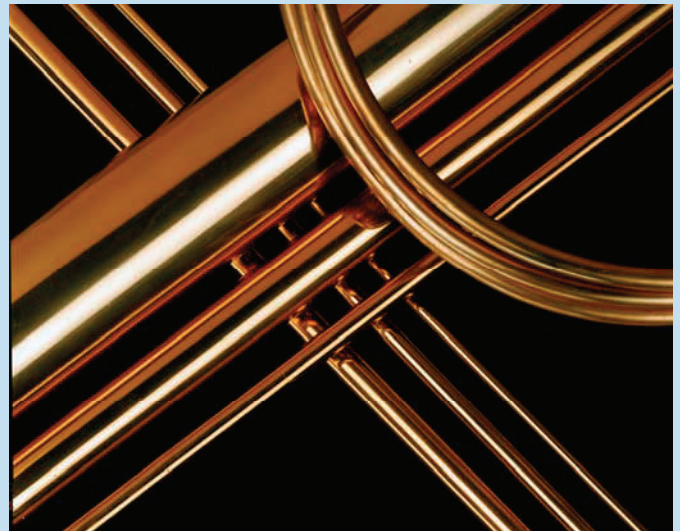
Air-conditioning and Refrigeration Copper Tube to EN12735-1

INTRODUCTION

Mueller Europe supply air-conditioning and refrigeration tube, branded under the world-famous 'Mueller' name, to specification EN12735-1. The tube is supplied in straight length sizes from 3/8" up to 4.1/8" diameter, and in coils in sizes from 1/4" up to 7/8" diameter.

The tube has been specially cleaned and nitrogen charged to render it suitable for HVAC and refrigeration purposes. Charging with nitrogen

protects against the formation of harmful oxides during the brazing operation. After cleaning, all tubes are individually end-capped to ensure their internal cleanliness. Soft coils are further protected by shrink-wrapping and packing them in individual cardboard cartons. The straight lengths are bundled and polythene wrapped.



PRODUCT RANGE

ACR SOFT COILS TO EN 12735-1 (R220)

Product Code	Size OD	Wall SWG	Wall Inches	Length metres	Temper	Coil Nos per Box	Coils per pallet	Maximum safe working pressure at 100°C (bar)
RC 014 22 06	1/4	22	0.028	6	R220	7	420	100
RC 014 22 15	1/4	22	0.028	15	R220	8	448	100
RC 014 22 30	1/4	22	0.028	30	R220	8	224	100
RC 516 20 06	5/16	20	0.036	6	R220	6	360	103
RC 516 20 15	5/16	20	0.036	15	R220	6	336	103
RC 516 20 30	5/16	20	0.036	30	R220	6	168	103
RC 038 21 06	3/8	21	0.032	6	R220	5	300	74
RC 038 21 15	3/8	21	0.032	15	R220	5	280	74
RC 038 21 30	3/8	21	0.032	30	R220	4	72	74

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ACR SOFT COILS TO EN 12735-1 (R220)

Product Code	Size OD	Wall SWG	Wall Inches	Length metres	Temper	Coil Nos per Box	Coils per pallet	Maximum safe working pressure at 100°C (bar)
RC 012 21 06	1/2	21	0.032	6	R220	8	448	54
RC 012 21 15	1/2	21	0.032	15	R220	4	224	54
RC 012 21 30	1/2	21	0.032	30	R220	3	54	54
RC 058 20 06	5/8	20	0.036	6	R220	6	336	48
RC 058 20 15	5/8	20	0.036	15	R220	6	90	48
RC 058 20 30	5/8	20	0.036	30	R220	3	45	48
RC 034 19 06	3/4	19	0.040	6	R220	5	280	45
RC 034 19 15	3/4	19	0.040	15	R220	2	36	45
RC 034 19 30	3/4	19	0.040	30	R220	2	36	45
RC 078 19 15	7/8	19	0.040	15	R220	2	30	38

REFRIGERATION STRAIGHT LENGTHS TO EN12735-1 (R250)

Product Code	Size OD	Wall SWG	Wall Inches	Length metres	Temper	Lengths per Hand Bundle	Lengths per Master Bundle	Maximum safe working pressure at 100°C (bar)
RL 038 21 03	3/8	21	0.032	3	R250	10	500	110
RL 038 21 06	3/8	21	0.032	6	R250	10	400	110
RL 012 20 03	1/2	20	0.036	3	R250	10	500	91
RL 012 20 06	1/2	20	0.036	6	R250	10	250	91
RL 058 20 03	5/8	20	0.036	3	R250	10	300	71
RL 058 20 06	5/8	20	0.036	6	R250	10	200	71
RL 034 19 03	3/4	19	0.040	3	R250	10	300	66
RL 034 19 06	3/4	19	0.040	6	R250	10	150	66
RL 034 18 03	3/4	18	0.048	3	R250	10	250	80
RL 034 18 06	3/4	18	0.048	6	R250	10	100	80
RL 078 18 03	7/8	18	0.048	3	R250	10	150	68
RL 078 18 06	7/8	18	0.048	6	R250	10	100	68
RL 118 18 03	1.1/8	18	0.048	3	R250	5	100	52
RL 118 18 06	1.1/8	18	0.048	6	R250	5	90	52
RL 118 16 03	1.1/8	16	0.064	3	R250	5	100	71

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REFRIGERATION STRAIGHT LENGTHS TO EN12735-1 (R250)

Product Code	Size OD	Wall SWG	Wall Inches	Length metres	Temper	Lengths per Hand Bundle	Lengths per Master Bundle	Maximum safe working pressure at 100° C (bar)
RL 118 16 06	1.1/8	16	0.064	6	R250	5	60	71
RL 118 14 06	1.1/8	14	0.080	6	R250	5	50	90
RL 138 18 03	1.3/8	18	0.048	3	R250	5	100	42
RL 138 18 06	1.3/8	18	0.048	6	R250	5	70	42
RL 138 16 03	1.3/8	16	0.064	3	R250	5	100	57
RL 138 16 06	1.3/8	16	0.064	6	R250	5	50	57
RL 138 14 06	1.3/8	14	0.080	6	R250	5	40	72
RL 138 12 06	1.3/8	12	0.104	6	R250	5	30	96
RL 158 18 03	1.5/8	18	0.048	3	R250	5	70	35
RL 158 18 06	1.5/8	18	0.048	6	R250	5	60	35
RL 158 16 03	1.5/8	16	0.064	3	R250	5	70	48
RL 158 16 06	1.5/8	16	0.064	6	R250	5	40	48
RL 158 14 03	1.5/8	14	0.080	3	R250	5	70	61
RL 158 14 06	1.5/8	14	0.080	6	R250	5	30	61
RL 158 12 06	1.5/8	12	0.104	6	R250	5	20	80
RL 218 18 03	2.1/8	18	0.048	3	R250	3	48	27
RL 218 18 06	2.1/8	18	0.048	6	R250	3	45	27
RL 218 16 03	2.1/8	16	0.064	3	R250	3	48	36
RL 218 16 06	2.1/8	16	0.064	6	R250	3	30	36
RL 218 14 06	2.1/8	14	0.080	6	R250	3	27	46

REFRIGERATION STRAIGHT LENGTHS TO EN12735-1 (R290)

Product Code	Size OD	Wall SWG	Wall Inches	Length metres	Temper	Lengths per Hand Bundle	Lengths per Master Bundle	Maximum safe working pressure at 100° C (bar)
RL 258 18 03	2.5/8	18	0.048	3	R290	1	25	25
RL 258 18 06	2.5/8	18	0.048	6	R290	1	25	25
RL 258 16 03	2.5/8	16	0.064	3	R290	1	25	34
RL 258 16 06	2.5/8	16	0.064	6	R290	1	25	34

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REFRIGERATION STRAIGHT LENGTHS TO EN12735-1 (R290)

Product Code	Size OD	Wall SWG	Wall Inches	Length metres	Temper	Lengths per Hand Bundle	Lengths per Master Bundle	Maximum safe working pressure at 100° C (bar)
RL 258 14 06	2.5/8	14	0.080	6	R290	1	20	43
RL 258 12 06	2.5/8	12	0.104	6	R290	1	15	56
RL 318 16 03	3.1/8	16	0.064	3	R290	1	20	28
RL 318 16 06	3.1/8	16	0.064	6	R290	1	20	28
RL 318 14 03	3.1/8	14	0.080	3	R290	1	20	36
RL 318 14 06	3.1/8	14	0.080	6	R290	1	15	36
RL 318 12 06	3.1/8	12	0.104	6	R290	1	15	47
RL 358 16 06	3.5/8	16	0.064	6	R290	1	10	24
RL 358 14 06	3.5/8	14	0.080	6	R290	1	10	31
RL 418 16 03	4.1/8	16	0.064	3	R290	1	10	21
RL 418 16 06	4.1/8	16	0.064	6	R290	1	10	21
RL 418 14 06	4.1/8	14	0.080	6	R290	1	10	27
RL 418 12 06	4.1/8	12	0.104	6	R290	1	10	35

PRODUCT MARKING

The tubes are marked:

Soft (R220)

MEL EN12735-1 R220 Size mm (Size inch) x wall mm (wall SWG) DDMMYY

Half-hard (R250)

MEL EN12735-1 R250 HH Size mm (Sizeinch) x wall mm (wall SWG) DDMMYY

Hard R290

MEL EN12735-1 R290 Size mm (Size inch) x wall mm (wall SWG) DDMMYY

MECHANICAL PROPERTIES

EN1173	Material Temper Common term	Tensile Strength	Elongation	Hardness
		Rm Mpa min	A % min	(indicative) HV5 VPN
	R220 soft	220	40	(40-70)
	R250 half hard	250	30	(75-100)
	R290 hard	290	3	(min. 100)