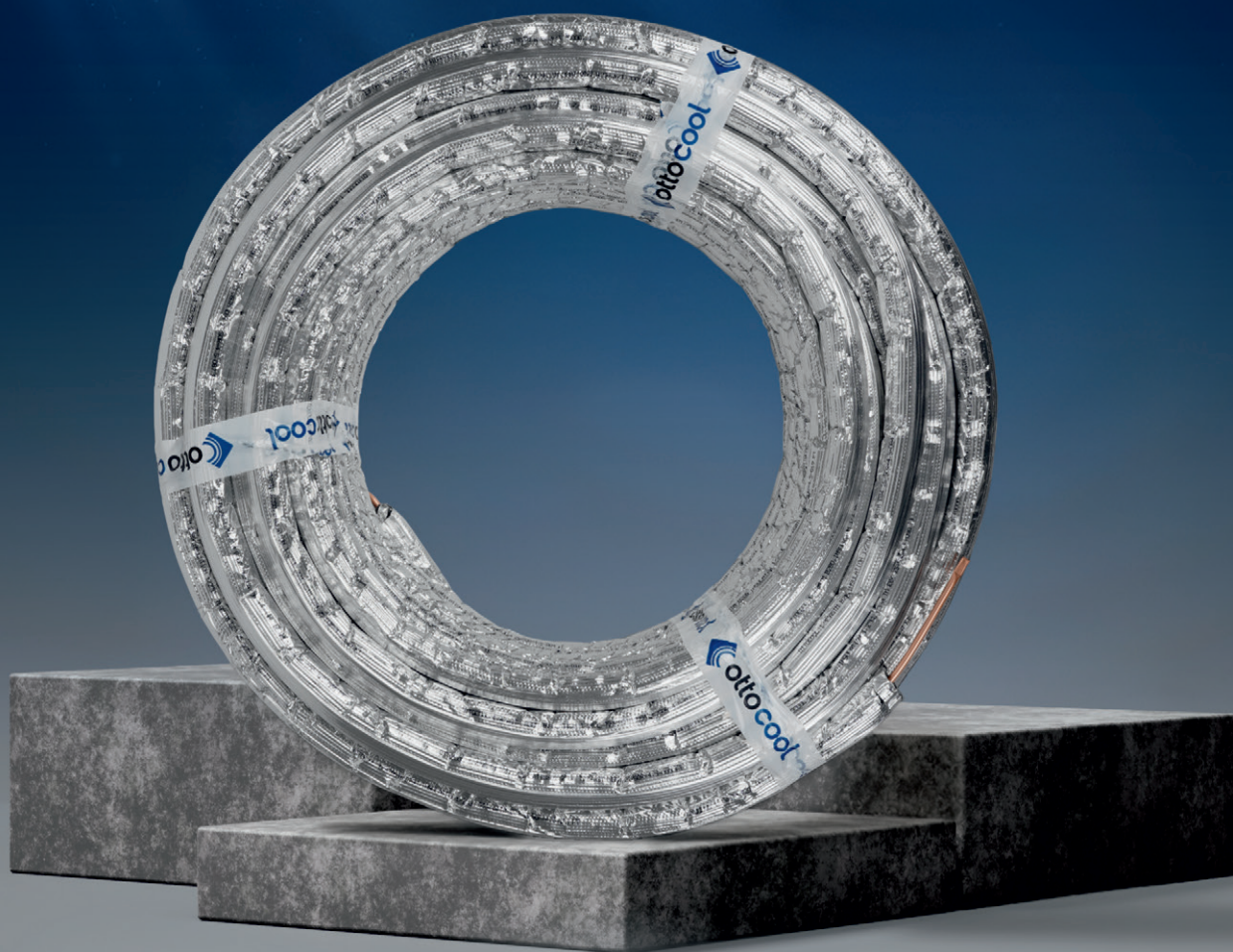




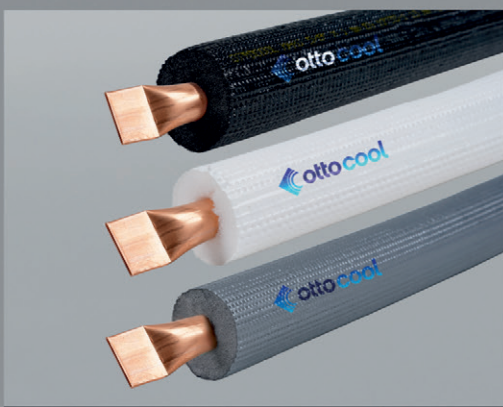
SOLAR SAFE ALUMINUM INSULATED COPPER TUBE

NEW PRODUCT

30 YEARS OF EXPERIENCE
Always High Quality Production



PRODUCT CATALOG COPPER TUBE & FITTINGS



30 years

We serve the ventilation, heating and cooling sectors with more than 30 years of experience.



Ottocool Brand is the most preferred brand in the HVAC sector with its products such as Rubber Foam Insulated Copper Tube, PE Insulated Copper Tubes, A/C Installation Kits, Straight Copper Tube, Medical Copper Tube, LWC Copper Tube, Pancake Copper Coil, Capillary Copper Tube, Copper Fittings and Gas Tube.



With its high-quality products and its perfectionist approach to customer needs, Anadolu Bakır A.Ş. is the leading company in the HVAC sector and is also the most followed company.

Anadolu Bakır A.Ş. meets its customers' demands by offering them a wide range of products under the Ottocool brand.





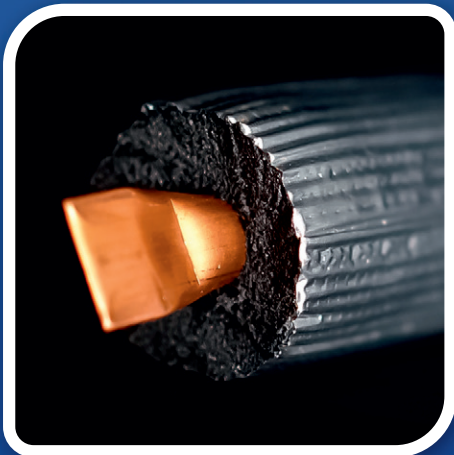
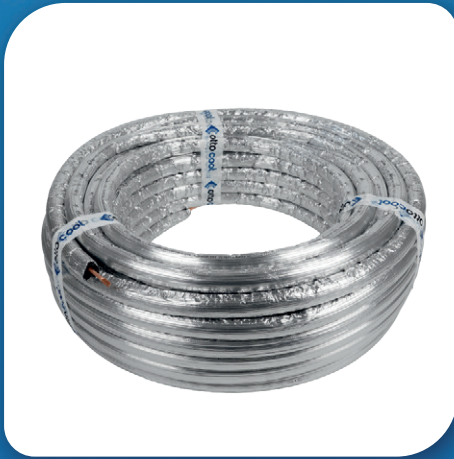
PRODUCT CATALOG

COPPER TUBE & FITTINGS



CONTENTS

ALUMINUM INSULATED COPPER TUBE	3
PE INSULATED COPPER TUBES	7
A/C INSTALLATION KITS	19
STRAIGHT COPPER TUBE	21
MEDICAL COPPER TUBE	23
LWC COPPER TUBE	25
PANCAKE COPPER COIL	27
CAPILLARY TUBE	29
COPPER FITTINGS	31
A/C COPPER JOINTS	33
GAS TUBES	37



High Quality
Products
Perfectionist
Approaches



SOLAR SAFE
ALUMINUM INSULATED
COPPER TUBE

SOLAR SAFE ALUMINUM INSULATED COPPER TUBE

ENGINEERED FOR DURABILITY
DESIGNED FOR EXCELLENCE

OTTOCOOL Solar Safe Insulated Copper tubes combine high thermal efficiency with durable, professional-grade insulation. Designed for clean installations and long-term performance, they're the trusted choice of HVAC experts who demand both quality and visual appeal.



Pipe Diameter (inch)	1/4"	3/8"	1/2"	1/2"	5/8"	3/4"	7/8"
Pipe Thickness (mm)	0.8	0.8	0.8	1	1	1	1.12
Insulation Thickness (mm)	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19
Operation Pressure (bar)	134	89	72	84	62	52	42
Coil Length (meter)	15/50	15/50	15/50	15/50	15/50	15/50	15/50
R Value	4.5	4.0	4.0	4.0	4.0	4.0	4.0

KEY FEATURES

- ⚡ **Material Composition:** Multi-Layer Composite structure consisting of closed micro-cells and expanded polyethylene (PE) insulation, chemically bonded to a specially developed, weather-resistant and 100% UV-resistant aluminum foil.
- ⚡ **Density (PE foam):** $30 \pm 3 \text{ kg/m}^3$
- ⚡ Self-extinguishing
- ⚡ Excellent insulation properties
- ⚡ **Operating Temperature Range:** -40°C to $+95^{\circ}\text{C}$
- ⚡ **Thermal Conductivity Coefficient:** High insulation performance
- ⚡ **Vapor-Water Diffusion Resistance Coefficient:** outstanding anti-condensation performance
- ⚡ Free of chlorofluorocarbons (CFCs) and hydrochlorofluorocarbons (HCFCs)
- ⚡ Environmentally friendly and 100% recyclable

TECHNICAL SPECS OF COPPER PIPE	
Chemical Composition	99.9% Cu-Dhp
Conformity	EN 12735-1
Unit Breaking Load	Min. R = 220n/mm ²
Elongation A%	A% min = 45%
Physical Condition	Annealed
Internal Surface	Glossy, perfectly clean, conforming to ASTM B280 and EN 12735-1 standards
Heat Conduction at 20°C	364W/mK
Condition	Sealed ends, dehumified

SOLAR SAFE ALUMINUM

TWIN INSULATED

COPPER TUBE



Pipe Diameter (inch)	1/4" + 3/8"	1/4" + 1/2"	1/4" + 5/8"	3/8" + 5/8"
Pipe Thickness (mm)	0.8 + 0.8	0.8 + 0.9	0.8 + 1	0.8 + 1
Insulation Thickness (mm)	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19
Operation Pressure (bar)	134 - 89	134 - 84	134 - 62	90 - 62
Coil Length (meter)	15 - 50	15 - 50	15 - 50	15 - 50
R Value	4.0	4.0	4.0	3/8" + 5/8"

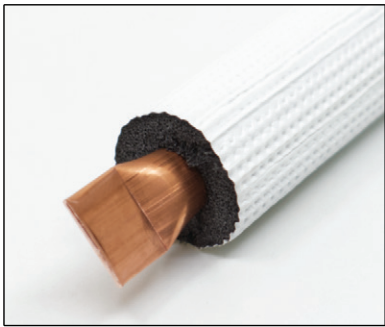
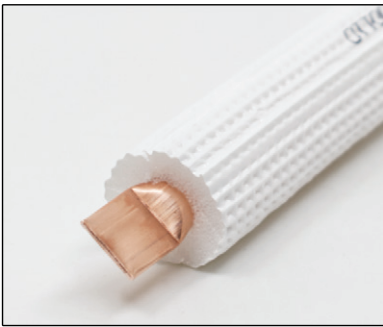


High Quality Products Perfectionist Approaches

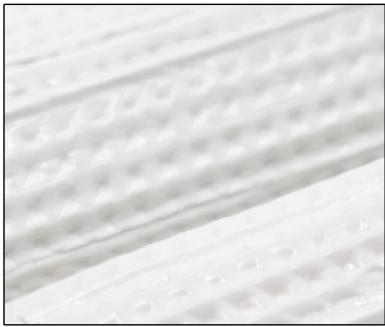


PE-INSULATED
COPPER TUBE

WHITE PE INSULATED COPPER TUBE



Suitable for air conditioning, refrigeration and industrial systems. Cu-Dhp 99,9% copper pipe insulated with an expanded polyethylene tube, closed cell and an external LDPE foil. Maximum Fire Safety with self-extinguishing DIN 4102-B1, SBI BL S1D0. Nontoxic gases and resistant to external chemical agents and ultra-violet rays.



Pipe Diameter (inch)	1/4	3/8	1/2	1/2	5/8	3/4	7/8
Pipe Thickness (mm)	0,8	0,8	0,8	0,9	1	1	1,12
Insulation Thickness (mm)	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19
Operation Pressure (bar)	134	89	72	84	62	52	42
Coil Length (meter)	15/50	15/50	15/50	15/50	15/50	15/50	15/50

Sustainability
Fully recyclable

Specificities
Unique aesthetical appearance
Excellent mechanical strength

Fire
Excellent flame extinguishing properties
SBI BL S1 DO, M1, UL723

Health
Produced without (H) CFC
Complies to REACH
Complies to VOC (Volatile organic componental)
Complies to RoHS (Restriction of Hazardous Substances)

Certificates
Complies to the German EnEV
CE system 3 certified

Service temperatures
Wide service temperature range
Minimum -30 °C
Maximum 95 °C (EN 14707)

Additional information
Standart Thickness: 6,9,13,19

Water
Closed cell structure for good water vapor barrier
Water vapor resistance $\mu \geq 10.000$ (EN13469)
Water absorption WS05 (EN 13472)

Insulation
Semi-flexible thermoplastic foam
Excellent insulation properties
Lambda 0,040 W/mK at 40 °C (EN ISO 8497)
Lambda 0,0427 W/mK at 0 °C (EN ISO 8497)

TECHNICAL SPECS OF COPPER PIPE	
Chemical Composition	99,9% Cu-Dhp
Conformity	EN 12735 – 1
Unit Breaking Load	Min. R=220n/mm2
Elongation A%	A% min=45%
Physical Condition	Annealed
Internal Surface	Glossy, perfectly clean conforming ASTM B-280 and EN12735-1 legislation
Heat Conduction at 20°C	364W/mK
Condition	Sealed ends, dehumified

WHITE TWIN

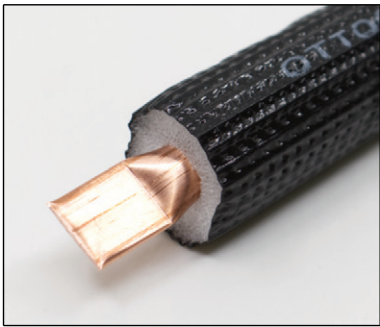
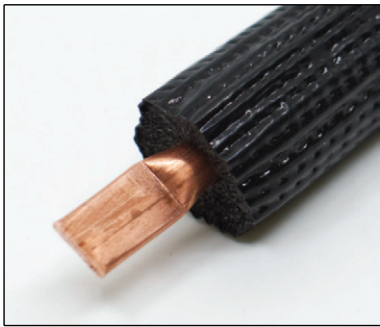
PE INSULATED

COPPER TUBE



Pipe Diameter (inch)	1/4 + 3/8	1/4 + 1/2	1/4 + 5/8	3/8 + 5/8	3/8 + 3/4	1/2 + 3/4
Pipe Thickness (mm)	0,8 +0,8	0,8+ 0,9	0,8 + 1	0,8 + 1	0,8 + 1	0,8 + 1
Insulation Thickness (mm)	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19
Operation Pressure (bar)	134-89	134-84	134-62	90-62	90-52	72-52
Coil Length (meter)	15-50	15-50	15-50	15-50	15-50	15-50

BLACK PE INSULATED COPPER TUBE



Suitable for air conditioning, refrigeration and industrial systems. Cu-Dhp 99,9% copper pipe insulated with an expanded polyethylene tube, closed cell and an external LDPE foil. Maximum Fire Safety with self-extinguishing DIN 4102-B1, SBI BL S1D0. Nontoxic gases and resistant to external chemical agents and ultra-violet rays.



Pipe Diameter (inch)	1/4	3/8	1/2	1/2	5/8	3/4	7/8
Pipe Thickness (mm)	0,8	0,8	0,8	0,9	1	1	1,12
Insulation Thickness (mm)	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19
Operation Pressure (bar)	134	89	72	84	62	52	42
Coil Length (meter)	15/50	15/50	15/50	15/50	15/50	15/50	15/50

Sustainability
Fully recyclable

Specificities
Unique aesthetical appearance
Excellent mechanical strength

Fire
Excellent flame extinguishing properties
SBI BL S1 DO, M1, UL723

Health
Produced without (H) CFC
Complies to REACH
Complies to VOC (Volatile organic componental)
Complies to RoHS (Restriction of Hazardous Substances)

Certificates
Complies to the German EnEV
CE system 3 certified

Service temperatures
Wide service temperature range
Minimum -30 °C
Maximum 95 °C (EN 14707)

Additional information
Standart Thickness: 6,9,13,19

Water
Closed cell structure for good water vapor barrier
Water vapor resistance $\mu \geq 10.000$ (EN13469)
Water absorption WS05 (EN 13472)

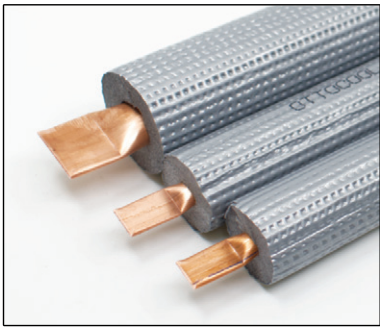
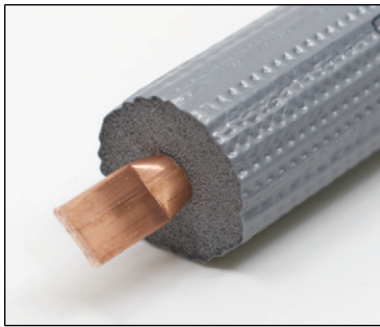
Insulation
Semi-flexible thermoplastic foam
Excellent insulation properties
Lambda 0,040 W/mK at 40 °C (EN ISO 8497)
Lambda 0,0427 W/mK at 0 °C (EN ISO 8497)

TECHNICAL SPECS OF COPPER PIPE	
Chemical Composition	99,9% Cu-Dhp
Conformity	EN 12735 – 1
Unit Breaking Load	Min. R=220n/mm2
Elongation A%	A% min=45%
Physical Condition	Annealed
Internal Surface	Glossy, perfectly clean conforming ASTM B-280 and EN12735-1 legislation
Heat Conduction at 20°C	364W/mK
Condition	Sealed ends, dehumified



Pipe Diameter (inch)	1/4 + 3/8	1/4 + 1/2	1/4 + 5/8	3/8 + 5/8	3/8 + 3/4	1/2 + 3/4
Pipe Thickness (mm)	0,8 +0,8	0,8+ 0,9	0,8 + 1	0,8 + 1	0,8 + 1	0,8 + 1
Insulation Thickness (mm)	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19
Operation Pressure (bar)	134-89	134-84	134-62	90-62	90-52	72-52
Coil Length (meter)	15-50	15-50	15-50	15-50	15-50	15-50

PLATINA PE INSULATED COPPER TUBE



Suitable for air conditioning, refrigeration and industrial systems. Cu-Dhp 99,9% copper pipe insulated with an expanded polyethylene tube, closed cell and an external LDPE foil. Maximum Fire Safety with self-extinguishing DIN 4102-B1, SBI BL S1D0. Nontoxic gases and resistant to external chemical agents and ultra-violet rays.



Pipe Diameter (inch)	1/4	3/8	1/2	1/2	5/8	3/4	7/8
Pipe Thickness (mm)	0,8	0,8	0,8	0,9	1	1	1,12
Insulation Thickness (mm)	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19
Operation Pressure (bar)	134	89	72	84	62	52	42
Coil Length (meter)	15/50	15/50	15/50	15/50	15/50	15/50	15/50

Sustainability
Fully recyclable

Specificities
Unique aesthetical appearance
Excellent mechanical strength

Fire
Excellent flame extinguishing properties
SBI BL S1 DO, M1, UL723

Health
Produced without (H) CFC
Complies to REACH
Complies to VOC (Volatile organic componental)
Complies to RoHS (Restriction of Hazardous Substances)

Certificates
Complies to the German EnEV
CE system 3 certified

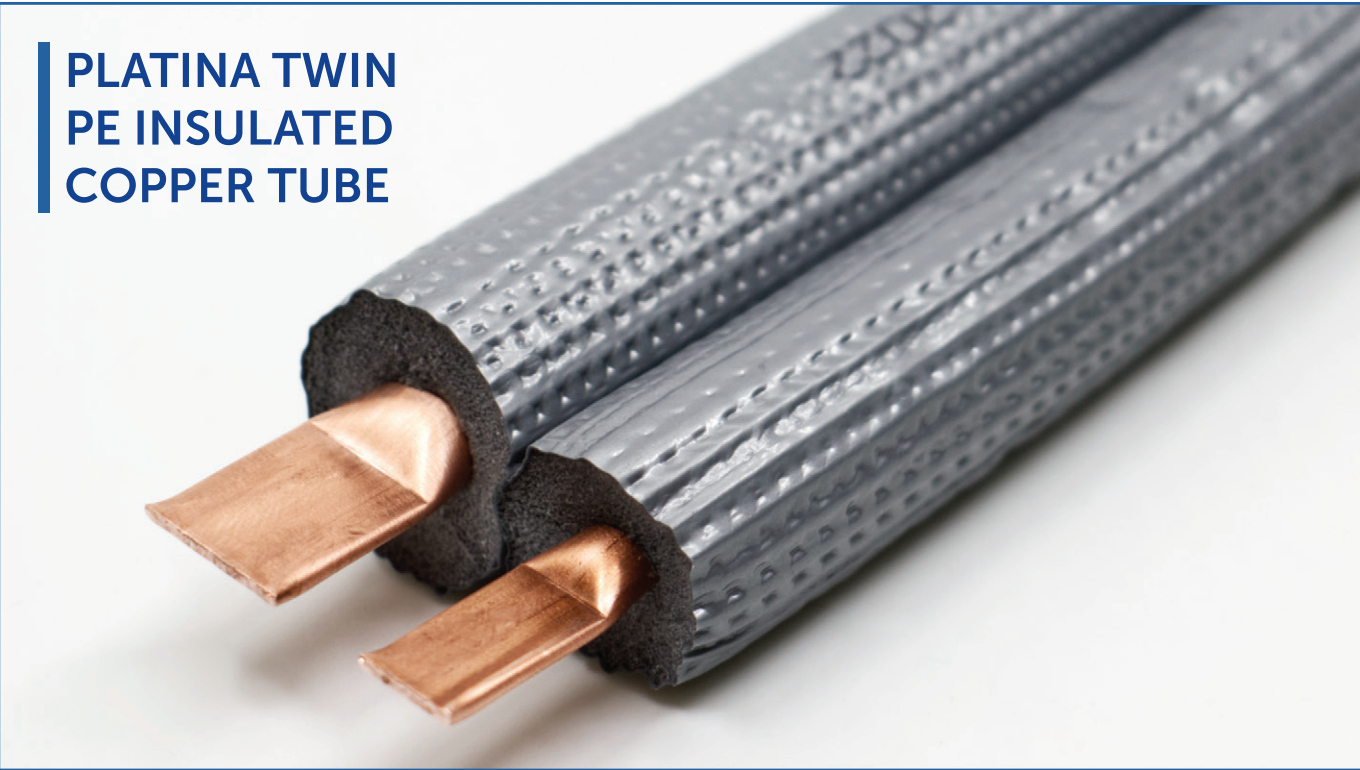
Service temperatures
Wide service temperature range
Minimum -30 °C
Maximum 95 °C (EN 14707)

Additional information
Standart Thickness: 6,9,13,19

Water
Closed cell structure for good water vapor barrier
Water vapor resistance $\mu \geq 10.000$ (EN13469)
Water absorption WS05 (EN 13472)

Insulation
Semi-flexible thermoplastic foam
Excellent insulation properties
Lambda 0,040 W/mK at 40 °C (EN ISO 8497)
Lambda 0,0427 W/mK at 0 °C (EN ISO 8497)

TECHNICAL SPECS OF COPPER PIPE	
Chemical Composition	99,9% Cu-Dhp
Conformity	EN 12735 – 1
Unit Breaking Load	Min. R=220n/mm2
Elongation A%	A% min=45%
Physical Condition	Annealed
Internal Surface	Glossy, perfectly clean conforming ASTM B-280 and EN12735-1 legislation
Heat Conduction at 20°C	364W/mK
Condition	Sealed ends, dehumified



Pipe Diameter (inch)	1/4 + 3/8	1/4 + 1/2	1/4 + 5/8	3/8 + 5/8	3/8 + 3/4	1/2 + 3/4
Pipe Thickness (mm)	0,8 +0,8	0,8+ 0,9	0,8 + 1	0,8 + 1	0,8 + 1	0,8 + 1
Insulation Thickness (mm)	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19	6-9-13-19
Operation Pressure (bar)	134-89	134-84	134-62	90-62	90-52	72-52
Coil Length (meter)	15-50	15-50	15-50	15-50	15-50	15-50

PE-INSULATED COPPER TUBE PRODUCT CATEGORIES

Insulation Type: Standart

Pipe Diameter (inch)	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"
OTTOCOOL SPLIT	0.7 mm	0.7 mm	0.7 mm	0.8 mm	-	-
OTTOCOOL POLAR	0.75 mm	0.75 mm	0.75 mm	0.9 mm	0.9 mm	-
OTTOCOOL MAXI	0.8 mm	0.8 mm	0.8 mm	1.0 mm	1.0 mm	1.12 mm
OTTOCOOL PLUS	1.0 mm	1.0 mm	1.0 mm	1.0 mm	1.0 mm	1.12 mm

Sustainability

Fully recyclable

Specificities

Unique aesthetical appearance
Excellent mechanical strength

Fire

Excellent flame extinguishing properties
SBI BL S1 DO, M1, UL723

Health

Produced without (H) CFC
Complies to REACH
Complies to VOC (Volatile organic componental)
Complies to RoHS (Restriction of Hazardous Substances)

Certificates

Complies to the German EnEV
CE system 3 certified

Service temperatures

Wide service temperature range
Minimum -30 °C
Maksimum 95 °C (EN 14707)

Additional information

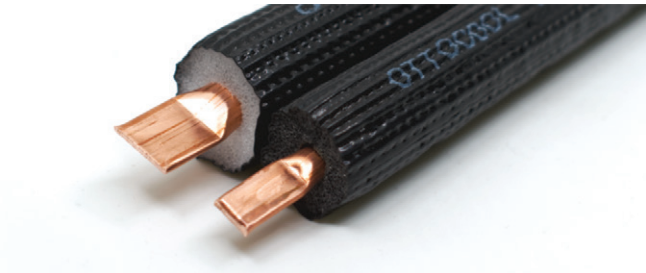
Standart Thickness: 6,9,13,19

Water

Closed cell structure for good water vapor barrier
Water vapor resistance $\mu \geq 10.000$ (EN13469)
Water absorption WS05 (EN 13472)

Insulation

Semi-flexible thermoplastic foam
Excellent insulation properties
Lambda 0,040 W/mK at 40 °C (EN ISO 8497)
Lambda 0,0427 W/mK at 0 °C (EN ISO 8497)



PE-INSULATED COPPER TUBE PRODUCT CATEGORIES

Insulation Type: Platina

Pipe Diameter (inch)	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"
OTTOCOOL PLATINA SPLIT	0.7 mm	0.7 mm	0.7 mm	0.8 mm	-	-
OTTOCOOL PLATINA POLAR	0.75 mm	0.75 mm	0.75 mm	0.9 mm	0.9 mm	-
OTTOCOOL PLATINA MAXI	0.8 mm	0.8 mm	0.8 mm	1.0 mm	1.0 mm	1.12 mm
OTTOCOOL PLATINA PLUS	1.0 mm	1.0 mm	1.0 mm	1.0 mm	1.0 mm	1.12 mm

Sustainability

Fully recyclable

Specificities

Unique aesthetical appearance
Excellent mechanical strength

Fire

Excellent flame extinguishing properties
SBI BL S1 DO, M1, UL723

Health

Produced without (H) CFC
Complies to REACH
Complies to VOC (Volatile organic componental)
Complies to RoHS (Restriction of Hazardous Substances)

Certificates

Complies to the German EnEV
CE system 3 certified

Service temperatures

Wide service temperature range
Minimum -30 °C
Maksimum 95 °C (EN 14707)

Additional information

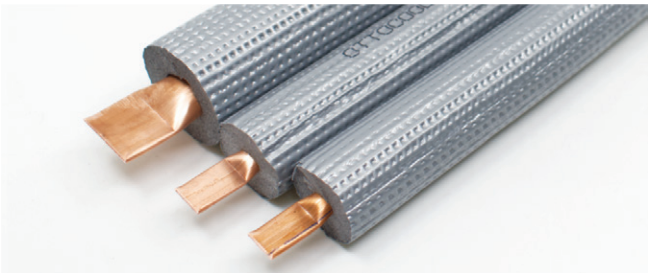
Standart Thickness: 6,9,13,19

Water

Closed cell structure for good water vapor barrier
Water vapor resistance $\mu \geq 10.000$ (EN13469)
Water absorption WS05 (EN 13472)

Insulation

Semi-flexible thermoplastic foam
Excellent insulation properties
Lambda 0,040 W/mK at 40 °C (EN ISO 8497)
Lambda 0,0427 W/mK at 0 °C (EN ISO 8497)



RUBBER FOAM INSULATED COPPER TUBE

Effective solutions for cooling, air conditioning and industrial systems. Gets a maximum saving with low coefficient of thermal conductivity (0,034W/mK). Maximum Fire Safety with EN 13501-1 B-s2 d0. Nontoxic gases and smokes during the fire. Rubber Insulated Copper Tube is suitable also for food industry, subways and submarines. Environmentally friendly, not contain HCFC- GFC.



TECHNICAL SPECS OF RUBBER INSULATION	
Heat Transfer Coefficient EN 12667	0,039 W/mK (25 C)
	0,040 W/mK (50 C)
	0,041 W/mK (+75 C)
Water Vapor Diffusion Resistance	> 7.000
Coefficient EN 13469 (u)	
Fire Classification EN 13501-1	BL-s2-d0
Fire Classification BS 476	Class 0
Corrosion Risk	DIN 1988/7 Certified
Temperature Resistance °C	-45 / + 116 (Pipe)

TECHNICAL SPECS OF COPPER PIPE	
Chemical Composition	99,9% Cu-Dhp
Conformity	EN 12735 – 1
Unit Breaking Load	Min. R=220n/mm²
Elongation A%	A% min=45%
Physical Condition	Annealed
Internal Surface	Glossy, perfectly clean conforming ASTM B-280 and EN12735-1 legislation
Heat Conduction at 20°C	364W/mK
Condition	Sealed ends, dehumified



Pipe Diameter (inch)	1/4	3/8	1/2	1/2	5/8	3/4	7/8
Pipe Thickness (mm)	0,8	0,8	0,81	0,9	1	1	1,2
Insulation Thickness (mm)	6/9/13	6/9/13	6/9/13	6/9/13	6/9/13	6/9/13	6/9/13
Operation Pressure (bar)	134	95	72	84	70	58	52
Coil Length (meter)	15-50	15-50	15-50	15-50	15-50	15-50	15-50



High Quality
Products
Perfectionist
Approaches



A/C INSTALLATION
KITS

A/C INSTALLATION KITS

Ideal solution for air conditioning and refrigeration systems: Ottocool "Ready to Use" Montage Kit. Closed-cell expanded Polyethylene. Gets a Maximum saving with low coefficient of thermal conductivity (0,036W/mK). Maximum Fire Safety with self-extinguishing CL. 1- DIN4102 B2. White external extruded PE-Layer, nontoxic gases and resistant to external chemical agents and ultra-violet rays.



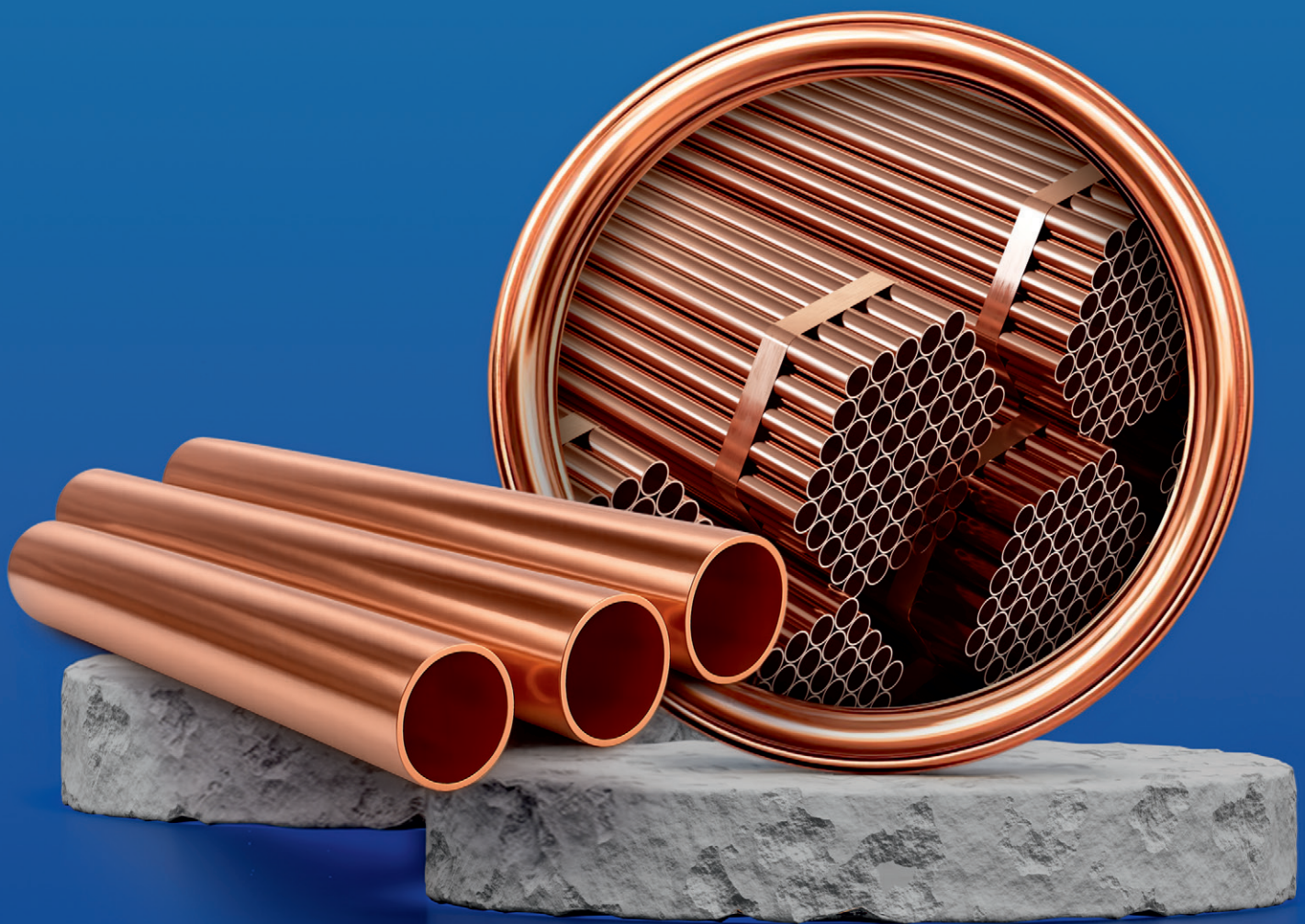
TECHNICAL SPECS OF PE INSULATION	
Heat Conductivity Coefficient DIN 52613 and 52612	0,0427 W/mK (0 °C)
Water Vapor Diffusion Resistance Coefficient (u)	> 10.000
Fire Classification DIN 4102-B2	Class 1
Insulation density	35 kg/m3
Operating Temperature Range	-30 °C/ + 95 °C

TECHNICAL SPECS OF PE COPPER PIPE	
Chemical Compton	99,9% Cu-Dhp
Conformity	EN 12735 – 1
Unit Breaking Load	Min. R=220n/mm²
Elongation A%	A% min=45%
Physical Condition	Annealed
Internal Surface	Glossy, perfectly clean conforming ASTM B-280 and EN12735-1 legislation
Heat Conduction at 20°C	364W/mK
Condition	Sealed ends, dehumified

INSULATED COPPER TUBE- MONTAGE KIT VRF SYSTEM							
Pipe Diameter (inch)	1/4 + 3/8	1/4 + 1/2	1/4 + 1/2	1/4 + 5/8	3/8 + 5/8	3/8 +3/4	1/2 + 3/4
Pipe Thickness (mm)	0,8 +0,8	0,8 + 0,8	0,8+ 1,0	0,8 + 1	0,8 + 1,0	0,8 + 1,0	0,8 + 1,0
Insulation Thickness (mm)	6+6	6+6	6-9-13-19	6+6	6+6	6+6	6+6
Operation Pressure (bar)	94-89	94-72	94-62	94-62	89-62	89-52	72-52
Coil Length (meter)	3-4-5-7-10-15	3-4-5-7-10-15	3-4-5-7-10-15	3-4-5-7-10-15	3-4-5-7-10-15	3-4-5-7-10-15	3-4-5-7-10-15

INSULATED COPPER TUBE- MONTAGE KIT SPLIT SYSTEM							
Pipe Diameter (inch)	1/4 + 3/8	1/4 + 1/2	1/4 +1/2	1/4 + 5/8	3/8 + 5/8	3/8 +3/4	1/2 + 3/4
Pipe Thickness (mm)	0,7 +0,7	0,7 + 0,7	0,7+ 0,8	0,8 + 1	0,7 + 0,8	0,7 + 0,9	0,7 + 0,9
Insulation Thickness (mm)	6+6	6+6	6+6	6+6	6+6	6+6	6+6
Operation Pressure (bar)	94-61	94-58	94-52	61-52	61-52	61-47	58-47
Coil Length (meter)	3-4-5-7-10-15	3-4-5-7-10-15	3-4-5-7-10-15	3-4-5-7-10-15	3-4-5-7-10-15	3-4-5-7-10-15	3-4-5-7-10-15

High Quality
Products
Perfectionist
Approaches



STRAIGHT
COPPER TUBE

STRAIGHT COPPER TUBE



The straight copper tubes are used in air-conditioning and refrigeration, electrical applications, and sanitary installations. Made from Cu-DHP 99.9% copper (EN 12735-1), they are supplied with sealed ends and are dehumidified; available in straight form in R290 (non-annealed) and R220 (annealed) tempers, with high resistance to pitting corrosion.

Soft Straight Copper Tubes

Mechanical properties according to EN 12735-1 for soft copper tubes

Temper	Temper designation	Tensile strength (N/mm ²)	Elongation (%) A5	Hardness HV5 (approximately)
Soft	R220	Min.220	40	40 -70

Delivery conditions and packaging for soft copper tubes

Temper designation	Outer Diameter (mm)	Wall thickness (mm)	Delivery Condition	Packaging
R220	5 – 108	0,5 –2,5	up to 6 m straight length	Wooden Box

Hard Straight Copper Tubes

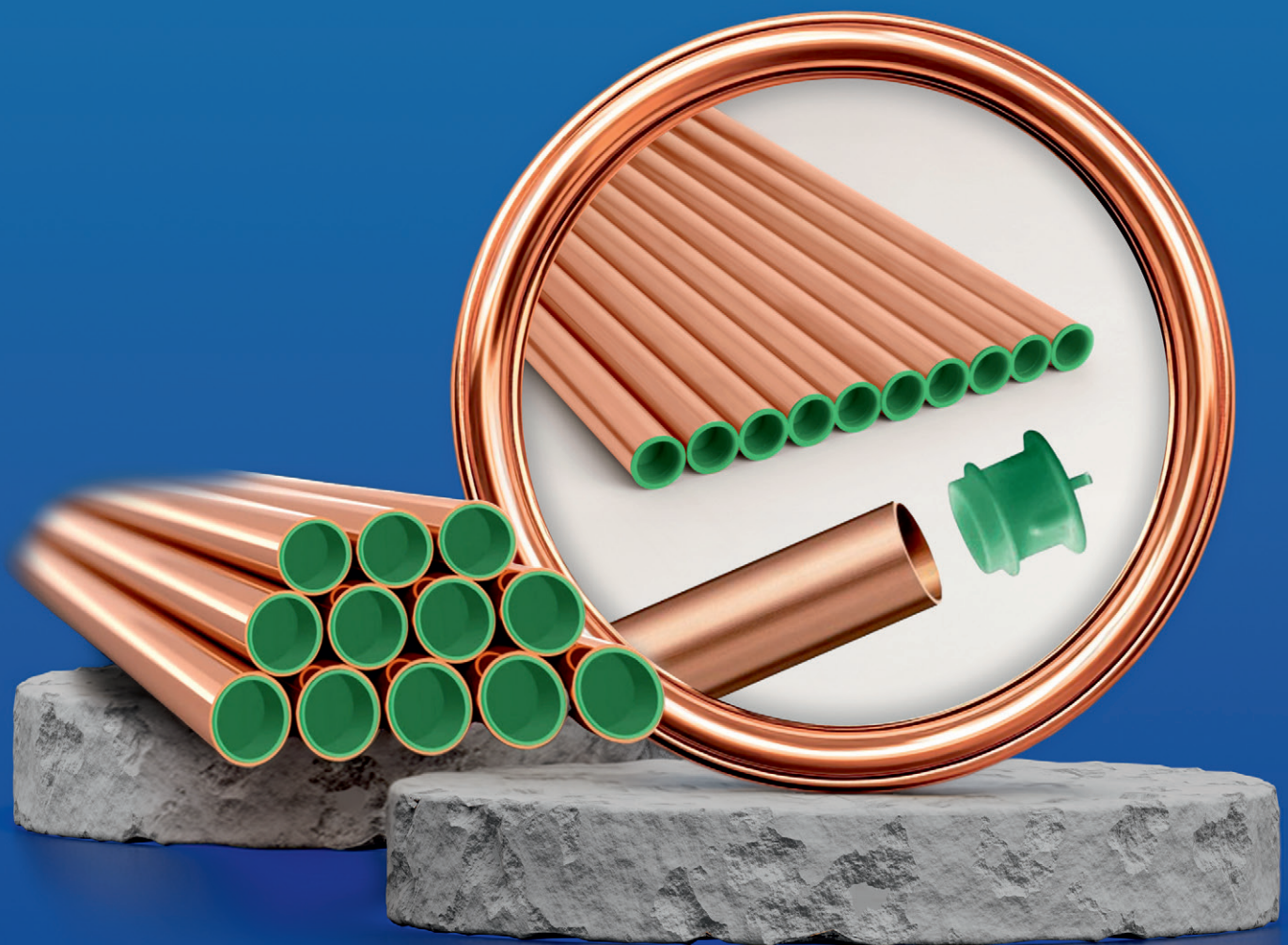
Mechanical properties according to EN 12735-1 for hard copper tubes

Temper	Temper designation	Tensile strength (N/mm ²)	Elongation (%) A5	Hardness HV5 (approximately)
Hard	R220	Min.220	40	40 -70

Delivery conditions and packaging for soft copper tubes

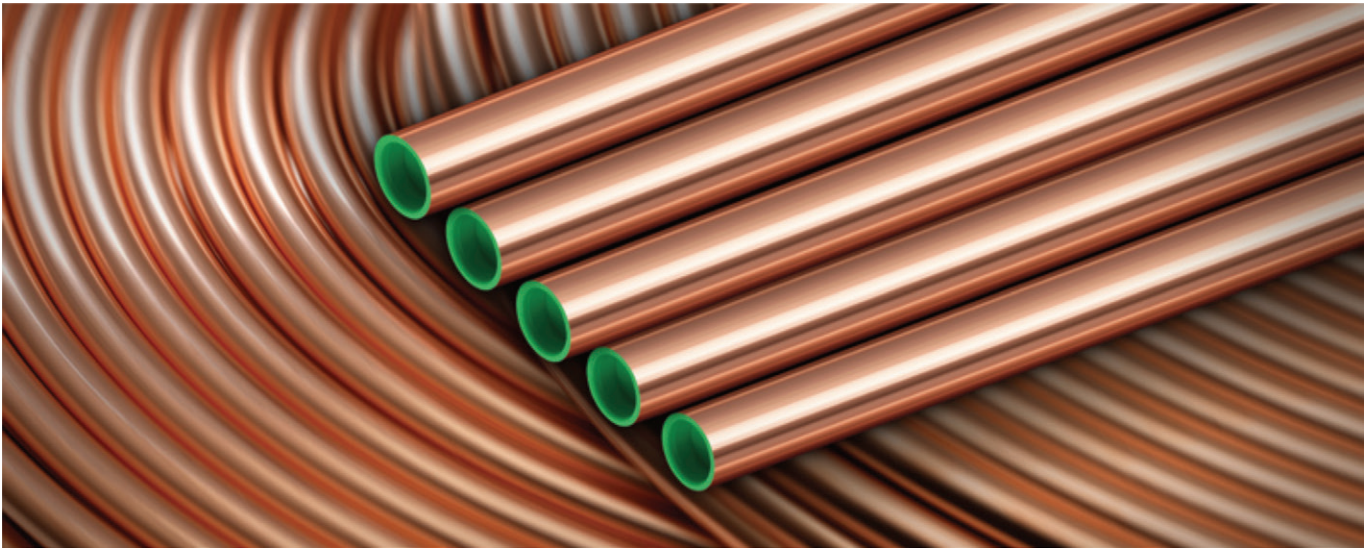
Temper designation	Outer Diameter (mm)	Wall thickness (mm)	Delivery Condition	Packaging
R220	5 – 108	0,5 –2,5	up to 6 m straight length	In Bundles, Wrapped in Plastic foil

High Quality Products Perfectionist Approaches



**MEDICAL
COPPER TUBE**

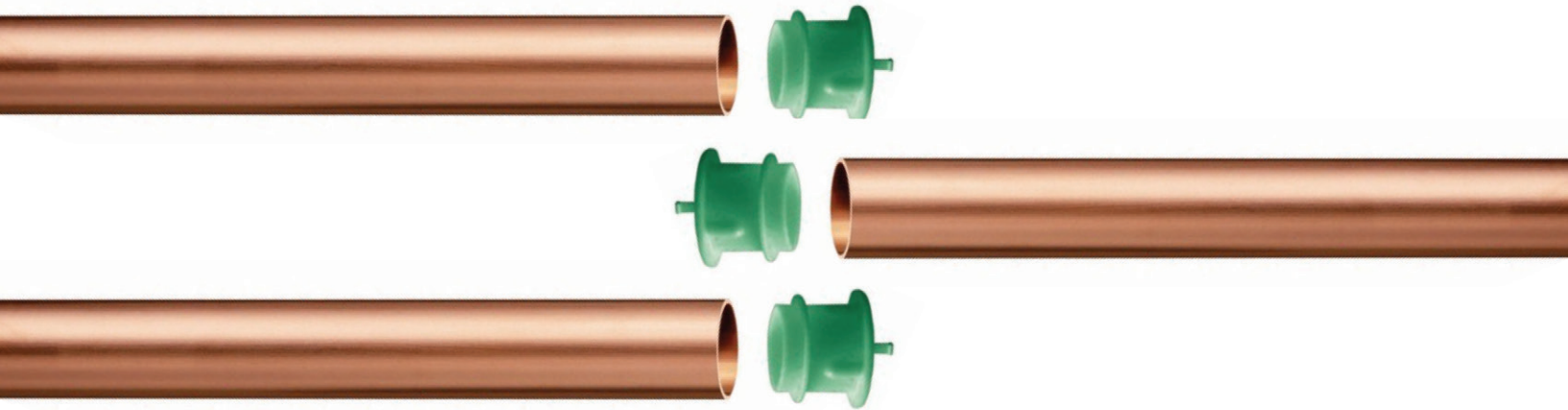
MEDICAL COPPER TUBE



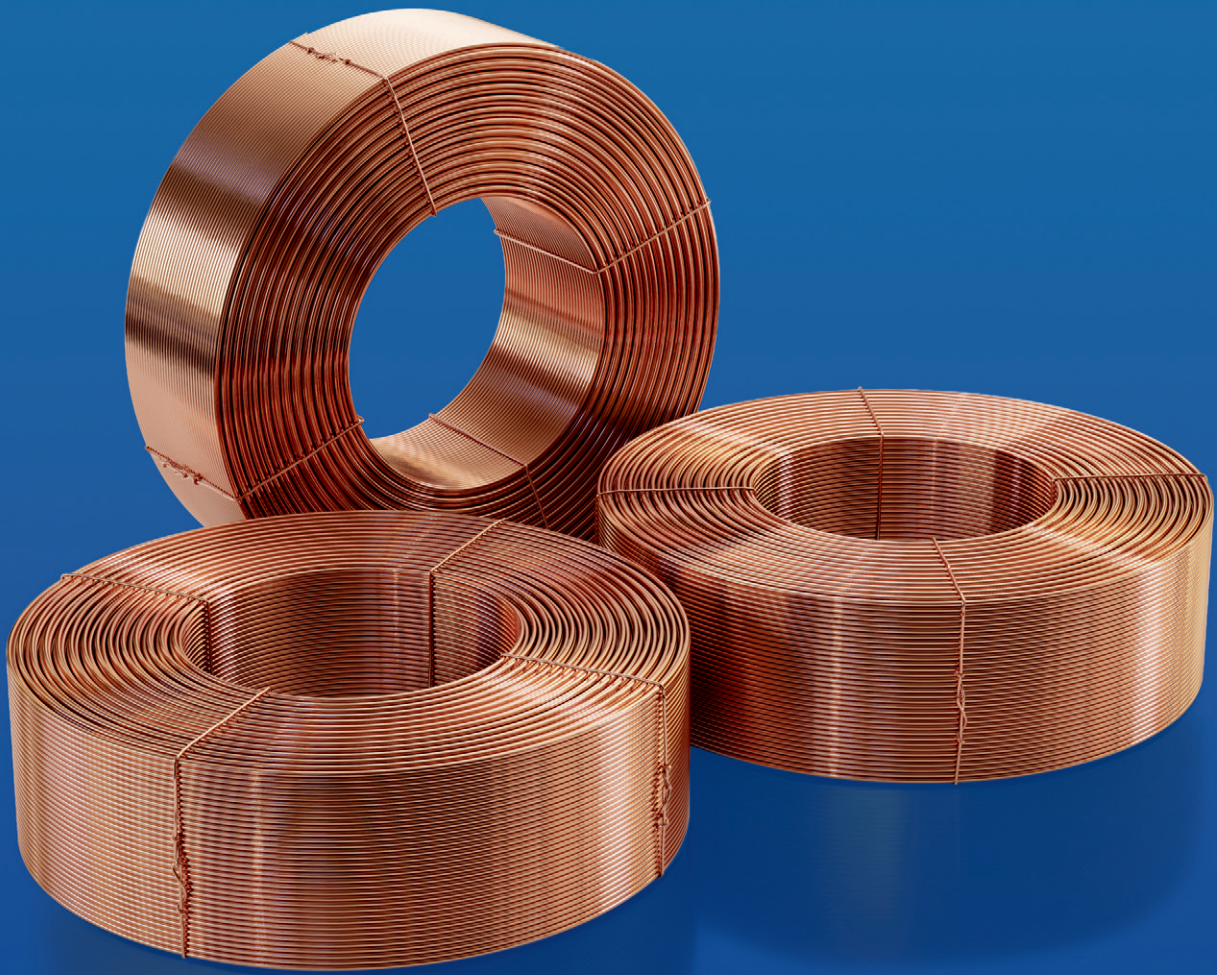
The Medical Copper Tube (Cu-Dhp 99,9%) is suitable for medical gas system, gas mixture, air system and vacuum systems as well as anesthetic evacuation gases in accordance with the corresponding standards. Medical Copper Tube is subjected to a rigorous internal cleaning process according to the technical specifications provided by the EN 13348.

Diameter (mm)	Wall Thickness (mm)	Packing
8	1	
10	0,6	
10	1	
12	0,6	5 meter
12	1	Straight Copper Tube
15	0,7	
15	1	
22	1	
22	1,5	
28	1	

Diameter (mm)	Wall Thickness (mm)	Packing
28	1,5	
35	1	
35	1,5	
42	1	5 meter
42	1	Straight Copper Tube
54	1,5	
54	2	
76	1,5	
76	2	
108	2,5	

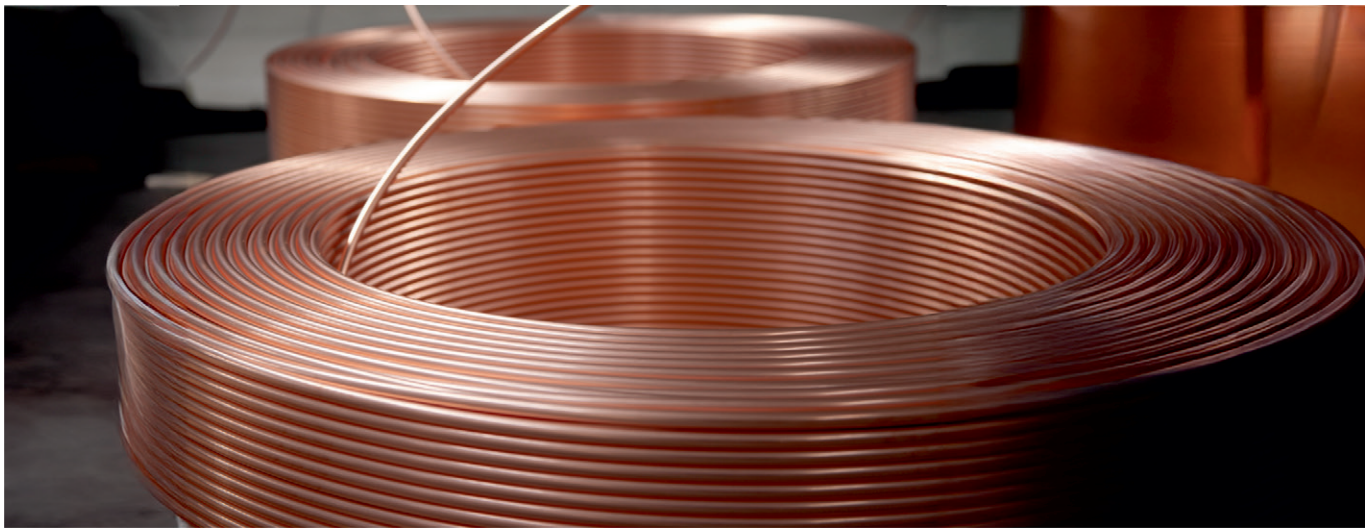


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LWC (LEVEL WOUND COIL)
COPPER TUBE

LWC COPPER TUBE EN 12735-1



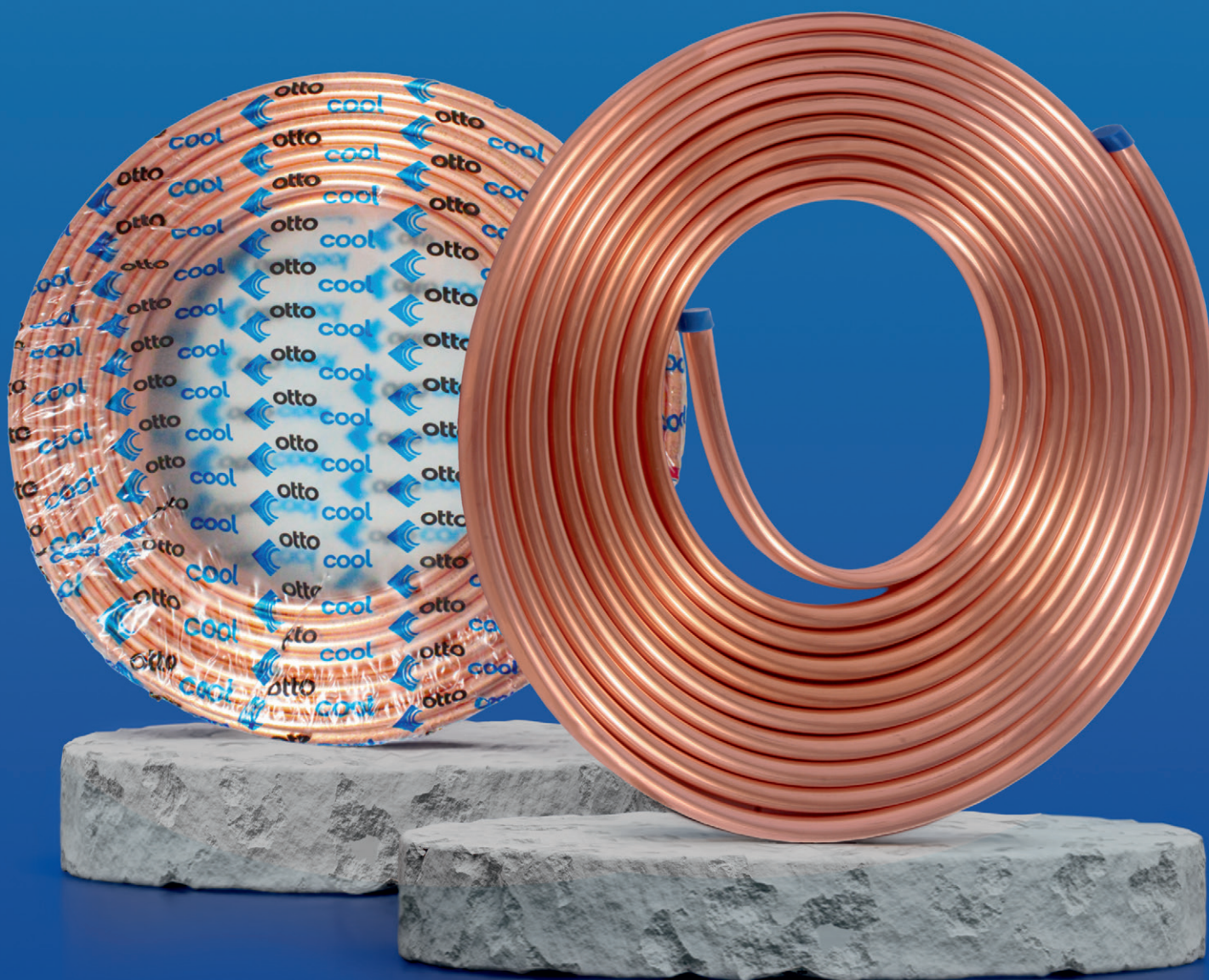
The LWC Copper Tube (Cu-Dhp 99,9%) is mostly applied to air conditioning, refrigeration and general engineering applications. LWC Copper Tube is produced according to the EN 12735-1 standard and it also complies with the ASTM B280 specifications.

General Specifications

Sizes		Material	Temper		Coil Weight	Form of packing	
Outside Diameter (mm) 4-19,05	Wall Thickness (mm) 0,28 - 1,10	Cu: 99,90% Phosphorous: 0,015- 0,040%	Light Annealed (050)	Soft Annealed (060)	80-250 kg	With Bobbin	Bobbinless
		C12200 DHP (ASTM B68, B75, B88)	can also be produced as hard drawn temper			Cardboard & Wooden Reels	Cardboard
		Cu – DHP (EN 12735. EN 12449)				Stacked on pallets and shrink wrapped	

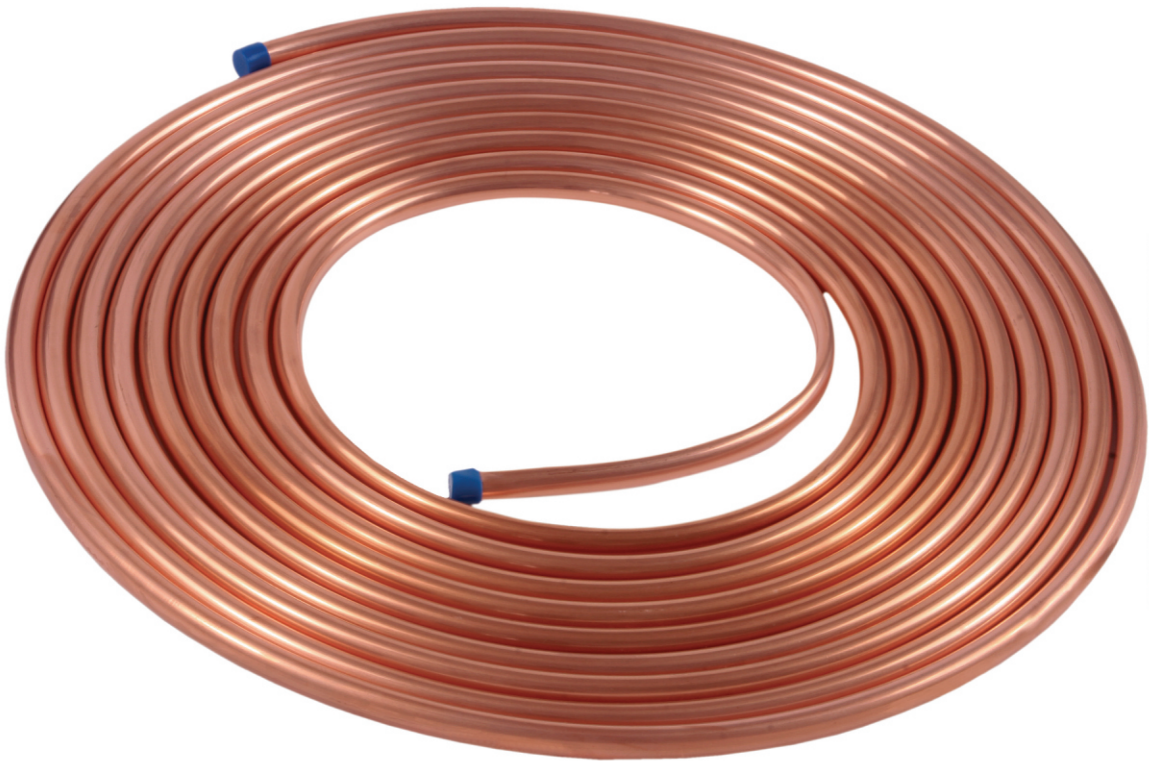
PRODUCT RANGE																
W.T	mm	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.63	0.7	0.76	0.8	0.9	1	1.2	
O.D.		mm	inch	0.012	0.014	0.016	0.018	0.020	0.022	0.024	0.025	0.028	0.030	0.031	0.035	0.039
4	...			✓	✓	✓	✓	✓	✓	✓	✓	✓				
4.76	3.16			✓	✓	✓	✓	✓	✓	✓						
6.35	1/4		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
7.93	5/16	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
9.52	3/8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
12	...		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
12.7	1.2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
15.87	5.8			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
16	...					✓	✓	✓	✓	✓	✓	✓	✓	✓		
18	...							✓	✓	✓	✓	✓	✓	✓		
19.05	3/4							✓	✓	✓	✓	✓	✓	✓	✓	

High Quality Products Perfectionist Approaches



PANCAKE
COPPER COIL

PANCAKE COPPER COIL



The Pancake Copper Tube (Cu-Dhp 99,9% copper pipe (EN 12735-1) end- capped, R220 annealed in coil form, high resistance to pitting corrosion) is mainly applied to air conditioning and refrigeration industry and installation. According the EN standard the Pancake tube has good bending properties for usage in utility supplies such as plumbing installations, gas transport networks, air conditioning systems and refrigerant piping. These products are supplied in the annealed form. All coils are cleaned and capped to keep contaminants from entering the tube. Then they are individually labeled, shrink wrapped and boxed in cardboard cartons for ease of handling and distribution

Pancake Copper Tubes

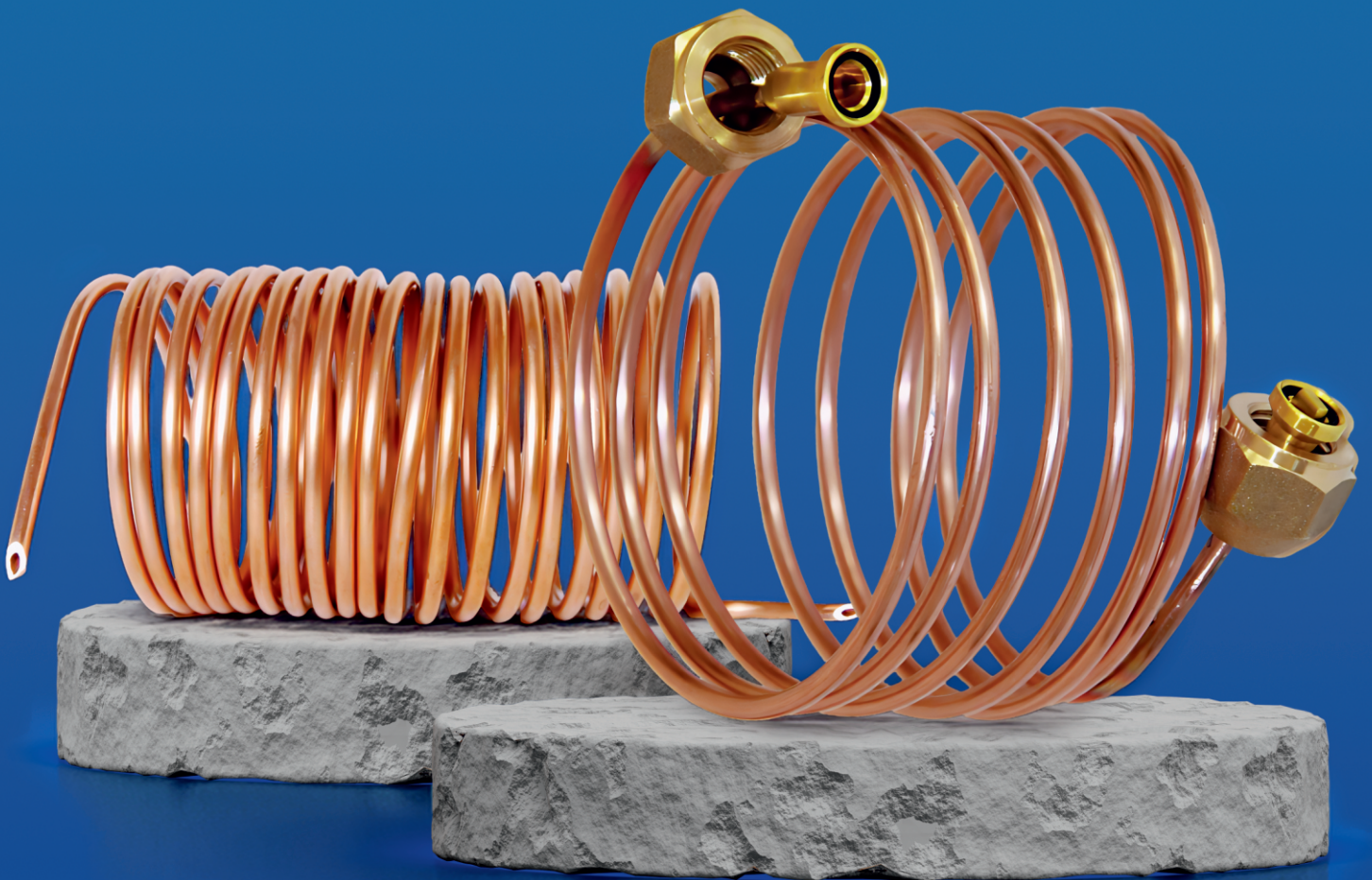
Technical specs according to EN12735-1

Temper	Temper designation	Tensle strength (N/mm ²)	Elongation (%) A5	Hardness HV5 (approximately)
Soft	R220	Min.220	40	40 -70

Delivery conditions and packaging for soft copper tubes

Temper designation	Outer Diameter (mm)	Wall thickness (mm)	Delvery Condition	Packaging
R220	5 – 22	0,5 –2,0	15-50 m coil	Carton box

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CAPILLARY
TUBE

CAPILLARY TUBE

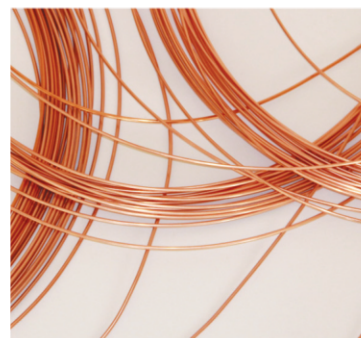


Ottocool capillary copper tube can be produced in both naked and PE or PVC insulated.

Can be produced up to 300 kg as coil, hard temper, half hard or annealed.

Ottocool capillary copper tube complies to the EN12449 and EN12450. And can also be produced according to another standard if requested.

Ideal to be used in industrial coolers, hot and cold air regulators, thermocouples, thermometers and pressure gauges.



High Quality Products Perfectionist Approaches



**COPPER
FITTINGS**

COPPER FITTINGS



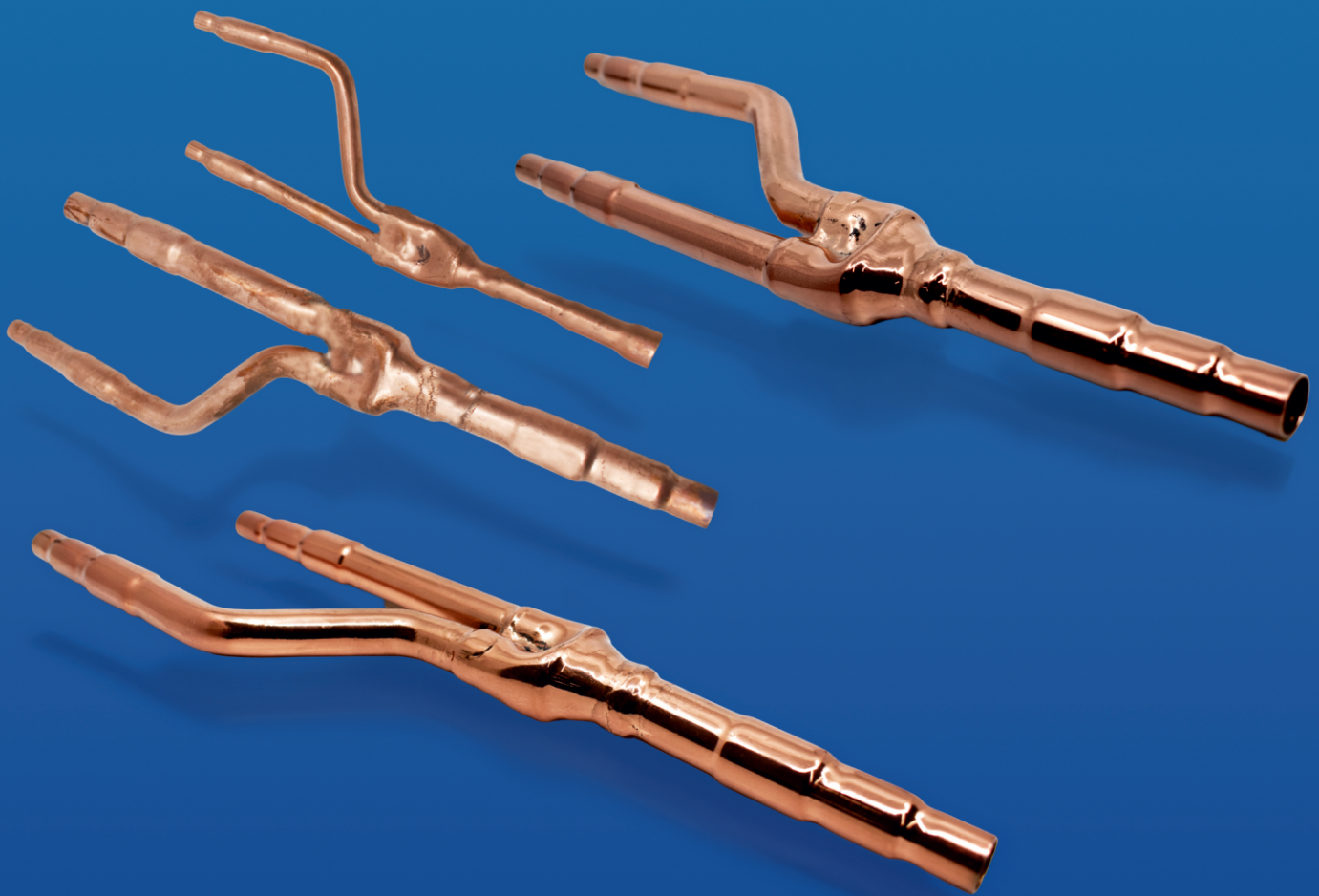
Copper Fittings provide ideal solutions for Health Care Facilities Gas and Vacuum Systems and the Compressed Gas Association, Pamphlet with the Standards ANSI/ASME B16.22 and EN 12541.

Metrical diameter: Sizes varies between 6mm and 133mm

Inch diameter: Sizes varies between 1/4" and 4.1/8"



High Quality
Products
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Approaches



A/C COPPER
JOINTS

A/C COPPER JOINTS



Typical centre for air conditioning systems, consist of one or more outdoor units and multiple indoor units.

The refrigerant Tube going from the outdoor units to the indoor devices are separated with Ottocool Joints.

Ottocool Joints are produced by us and are suitable for all air conditioners units. List and technical specs are as follow;



A/C COPPER JOINTS

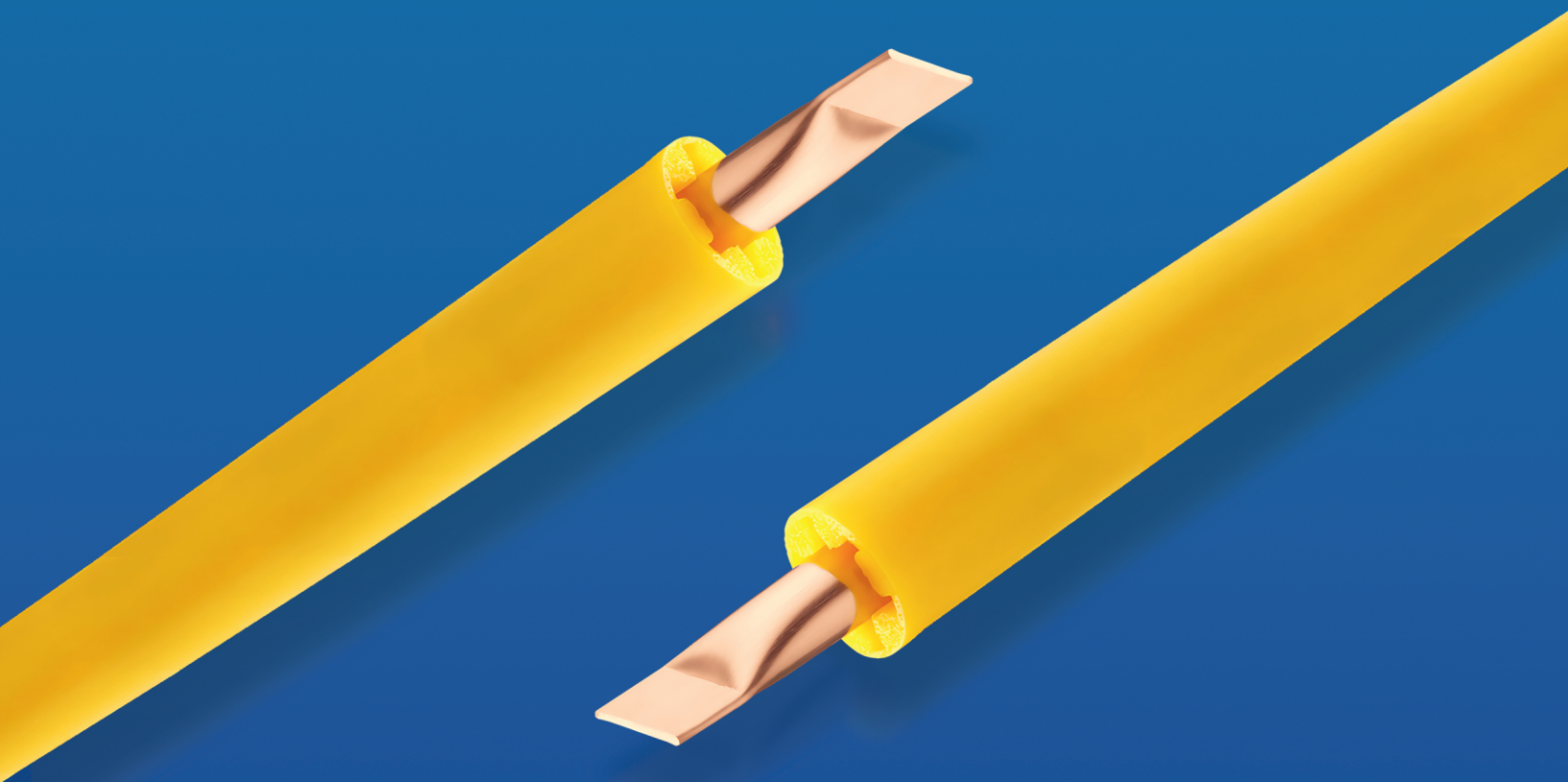
OTTOCOOL A/C JOINTS

MODEL	DIMENSIONS	
DAIKIN		
KHRQ22M20T	FOR GAS A= 7/8-3/4-5/8 B= 3/4-5/8-1/2 C= 3/4-5/8-1/2	FOR LIQUID D= 1/2-3/8 E= 3/8-1/4 F= 3/8-1/4
KHRQ22M29-T9	FOR GAS A= 3/4 -7/8- 1 B= 3/4-5/8-1/2 C= 5/8-1/2-3/8	FOR LIQUID D= 1/2-3/8 E= 3/8-1/4 F= 3/8-1/4
KHRQ22M64T	FOR GAS A= 1 -1 1/8 B= 1 - 7/8 - 3/4 C= 3/4-5/8-1/2	FOR LIQUID D= 1/2 - 5/8 E= 5/8-1/2-3/8 F= 1/2-3/8-1/4
KHRQ22M75T	FOR GAS A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 1/8- 1 - 7/8 - 3/4	FOR LIQUID D= 5/8-3/4-7/8 E= 3/4-5/8-1/2 F= 5/8-1/2-3/8
BHFQ22M1007	FOR GAS A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 1/8- 1 - 7/8 - 3/4	FOR LIQUID D= 5/8-3/4-7/8 E= 3/4-5/8-1/2 F= 5/8-1/2-3/8
BHFQ22M1517	FOR GAS A= 1 3/8-1 1/8 B= 1 3/8 - 1 1/8 - 1 C= 1 1/8- 1 - 7/8 - 3/4	FOR LIQUID D= 5/8- 3/4 E= 3/4-5/8-1/2 F= 5/8-1/2-3/8
FUJITSU		
UTR-BP090X	FOR GAS A= 7/8-3/4-5/8 B= 7/8-3/4-5/8-1/2 C= 5/8-1/2-3/8	FOR LIQUID D= 3/8 - 1/2 E= 1/2-3/8-1/4 F= 1/2-3/8-1/4
UTR-BP180X	FOR GAS A= 1 1/8 - 7/8 B= 1 1/8- 7/8 - 3/4 C= 7/8-3/4-5/8-1/2	FOR LIQUID D= 5/8-1/2-3/8 E= 5/8-1/2-3/8 F= 1/2-3/8-1/4
UTR-CP567X	FOR GAS A= 7/8-1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 1/8- 1 - 7/8 - 3/4	FOR LIQUID D= 3/4-5/8 E= 5/8-1/2-3/8 F= 5/8-1/2-3/8
UTR-BP567X	FOR GAS A= 1 3/8 - 1 5/8 B= 1 1/8 - 1 - 7/8 C= 1 1/8 - 1 - 7/8	FOR LIQUID D= 3/4-5/8 E= 3/4-5/8-1/2 F= 5/8-1/2-3/8
GREE AND YORK		
FQ-01A/A	FOR GAS A= 3/4-5/8-1/2 B= 5/8-1/2 C= 5/8-1/2-3/8	FOR LIQUID D= 1/2-3/8 E= 3/8-1/4 F= 3/8-1/4
FQ-01B/A	FOR GAS A= 7/8-3/4-5/8 B= 7/8-3/4-5/8-1/2 C= 5/8-1/2-3/8	FOR LIQUID D= 3/8 - 1/2 E= 1/2-3/8-1/4 F= 1/2-3/8-1/4
FQ-02A	FOR GAS A= 1 1/8 - 1 3/8 B= 1 1/8- 1 - 7/8 - 3/4 C= 7/8-3/4-5/8-1/2	FOR LIQUID D= 3/4-5/8 E= 5/8-1/2-3/8 F= 1/2-3/8-1/4
FQ-03A	FOR GAS A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 1/8- 1 - 7/8 - 3/4	FOR LIQUID D= 3/4-5/8 E= 3/4-5/8-1/2 F= 5/8-1/2-3/8
ML01A	FOR GAS A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 1/8- 1 - 7/8 - 3/4	FOR LIQUID D= 3/4-5/8 E= 3/4-5/8-1/2 F= 5/8-1/2-3/8
FQ-04A	FOR GAS A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 3/8 - 1 1/8 - 1	FOR LIQUID D= 7/8-3/4-5/8 E= 7/8-3/4-5/8-1/2 F= 3/4-5/8-1/2
HAIER		
FQG-B335A	FOR GAS A= 7/8-3/4-5/8 B= 7/8-3/4-5/8-1/2 C= 5/8-1/2-3/8	FOR LIQUID D= 1/2-3/8 E= 3/8-1/4 F= 3/8-1/4
FQG-B506A	FOR GAS A= 1 1/8- 1 - 7/8 B= 1 1/8- 1 - 7/8-3/4 C= 7/8-3/4-5/8-1/2	FOR LIQUID D= 3/8 - 1/2 E= 1/2-3/8-1/4 F= 1/2-3/8-1/4
FQG-B730A	FOR GAS A= 1 1/8- 1 - 7/8 B= 1 1/8- 1 - 7/8-3/4 C= 7/8-3/4-5/8-1/2	FOR LIQUID D= 5/8-3/4 E= 5/8-1/2-3/8 F= 1/2-3/8-1/4
FQG-B1350A	FOR GAS A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 1/8- 1 - 7/8 - 3/4	FOR LIQUID D= 5/8-3/4 E= 3/4-5/8-1/2 F= 5/8-1/2-3/8
HZG-20A	FOR GAS A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 1/8- 1 - 7/8 - 3/4	FOR LIQUID D= 5/8-3/4 E= 3/4-5/8-1/2 F= 5/8-1/2-3/8
FQG-B2040A	FOR GAS A= 1 5/8 - 1 3/8 B= 1 3/8 - 1 1/8 - 1 C= 1 3/8 - 1 1/8 - 1	FOR LIQUID D= 7/8-3/4-5/8 E= 7/8-3/4-5/8-1/2 F= 5/8-1/2-3/8
HZG-30A	FOR GAS A= 1 3/8 - 1 1/8 B= 1 3/8 - 1 1/8 - 1 C= 1 1/8- 1 - 7/8 - 3/4	FOR LIQUID D= 5/8-3/4 E= 3/4-5/8-1/2 F= 5/8-1/2-3/8
HITACHI		
E-525SN	FOR GAS A= 3/4-5/8 B= 5/8-1/2-3/8 C= 5/8-1/2-3/8	FOR LIQUID D= 1/2-3/8 E= 3/8-1/4 F= 3/8-1/4
E-102SN	FOR GAS A= 7/8-3/4-5/8 B= 7/8-3/4-5/8-1/2 C= 5/8-1/2-3/8	FOR LIQUID D= 1/2-3/8 E= 3/8-1/4 F= 3/8-1/4
E-242SN	FOR GAS A= 1 1/8- 1 B= 1 1/8- 1 - 7/8-3/4 C= 7/8-3/4-5/8-1/2	FOR LIQUID D= 5/8-3/4 E= 5/8-1/2-3/8 F= 1/2-3/8-1/4
M-20SNQ	FOR GAS A= 1 1/8- 1 B= 1 1/8- 1 - 7/8-3/4 C= 7/8-3/4-5/8-1/2	FOR LIQUID D= 5/8-3/4 E= 5/8-1/2-3/8 F= 1/2-3/8-1/4
E-162SN	FOR GAS A= 1 1/8- 1 B= 1 1/8- 1 - 7/8-3/4 C= 7/8-3/4-5/8-1/2	FOR LIQUID D= 3/8 - 1/2 E= 1/2-3/8-1/4 F= 1/2-3/8-1/4
E-302SN	FOR GAS A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 1/8- 1 - 7/8 - 3/4	FOR LIQUID D= 7/8-3/4-5/8 E= 7/8-3/4-5/8-1/2 F= 5/8-1/2-3/8
M-30SNQ	FOR GAS A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 1/8- 1 - 7/8 - 3/4	FOR LIQUID D= 7/8-3/4-5/8 E= 7/8-3/4-5/8-1/2 F= 5/8-1/2-3/8
LG AND ARCELIK		
ARBLN01621	FOR GAS A= 3/4-5/8-1/2 B= 5/8-1/2-3/8 C= 5/8-1/2-3/8	FOR LIQUID D= 1/2-3/8 E= 3/8-1/4 F= 3/8-1/4
ARBLN03321	FOR GAS A= 3/4 -7/8- 1 B= 3/4-5/8-1/2 C= 5/8-1/2-3/8	FOR LIQUID D= 1/2-3/8 E= 3/8-1/4 F= 3/8-1/4
ARCNN020	FOR GAS A= 1 1/8 - 1 3/8 B= 1 1/8- 1 - 7/8 - 3/4 C= 7/8-3/4-5/8-1/2	FOR LIQUID D= 3/4-5/8 E= 5/8-1/2-3/8 F= 5/8-1/2-3/8
ARBLN07121	FOR GAS A= 1 1/8 - 1 3/8 B= 1 1/8- 1 - 7/8 - 3/4 C= 7/8-3/4-5/8-1/2	FOR LIQUID D= 3/4-5/8 E= 3/4-5/8-1/2 F= 5/8-1/2-3/8
ARCNN030	FOR GAS A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 1/8- 1 - 7/8 - 3/4	FOR LIQUID D= 7/8-3/4-5/8 E= 3/4-5/8-1/2 F= 5/8-1/2-3/8
ARBLN014521	FOR GAS A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 1/8- 1 - 7/8 - 3/4	FOR LIQUID D= 7/8-3/4-5/8 E= 3/4-5/8-1/2 F= 5/8-1/2-3/8
MCQUAY		
MDS-MY2	A= 5/8-1/2-3/8 B= 1/2-3/8-1/4 C= 1/2-3/8-1/4	
MDS-MY3	A= 5/8-1/2-3/8 B= 5/8-1/2-3/8 C= 1/2-3/8-1/4	
MDS-MY4	A= 7/8-3/4-5/8 B= 3/4-5/8-1/2-3/8 C= 3/4-5/8-1/2-3/8	
MDS-MY1	A= 1 1/8 - 1 - 7/8 B= 1 1/8- 1 - 7/8 - 3/4 C= 3/4-5/8-1/2	
MDS-MY5	A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 1/8- 1 - 7/8	
MDS-MY6	A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= - 7/8 - 3/4-5/8	
MIDEA		
FQZHN-01C	FOR GAS A= 3/4-5/8-1/2 B= 3/4-5/8-1/2 C= 5/8-1/2-3/8	FOR LIQUID D= 1/2-3/8 E= 3/8-1/4 F= 3/8-1/4
FQZHN-02C	FOR GAS A= 7/8 ---1 B= 7/8-3/4-5/8-1/2 C= 3/4-5/8-1/2	FOR LIQUID D= 3/8 - 1/2 E= 1/2-3/8-1/4 F= 1/2-3/8-1/4
FQZHN-03C	FOR GAS A= 1 1/8 - 1 3/8 B= 1 1/8- 1 - 7/8 - 3/4 C= 7/8-3/4-5/8-1/2	FOR LIQUID D= 3/4-5/8 E= 5/8-1/2-3/8 F= 1/2-3/8-1/4
FQZHN-02N1C	FOR GAS A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 1/8- 1 - 7/8 - 3/4	FOR LIQUID D= 3/4-5/8 E= 3/4-5/8-1/2 F= 5/8-1/2-3/8
FQZHN-04C	FOR GAS A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 1/8- 1 - 7/8 - 3/4	FOR LIQUID D= 7/8-3/4-5/8 E= 3/4-5/8-1/2 F= 5/8-1/2-3/8
FQZHN-05C	FOR GAS A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 3/8 - 1 1/8 - 1	FOR LIQUID D= 7/8-3/4-5/8 E= 7/8-3/4-5/8-1/2 F= 5/8-1/2-3/8
FQZHN-03N1C	FOR GAS A= 1 3/8 - 1 1/8 B= 1 3/8 - 1 1/8 - 1 C= 1 1/8- 1 - 7/8 - 3/4	FOR LIQUID D= 3/4-5/8 E= 3/4-5/8-1/2 F= 5/8-1/2-3/8
FQZHN-04N1C	2 piece * 02N1C + 03N1C	

A/C COPPER JOINTS

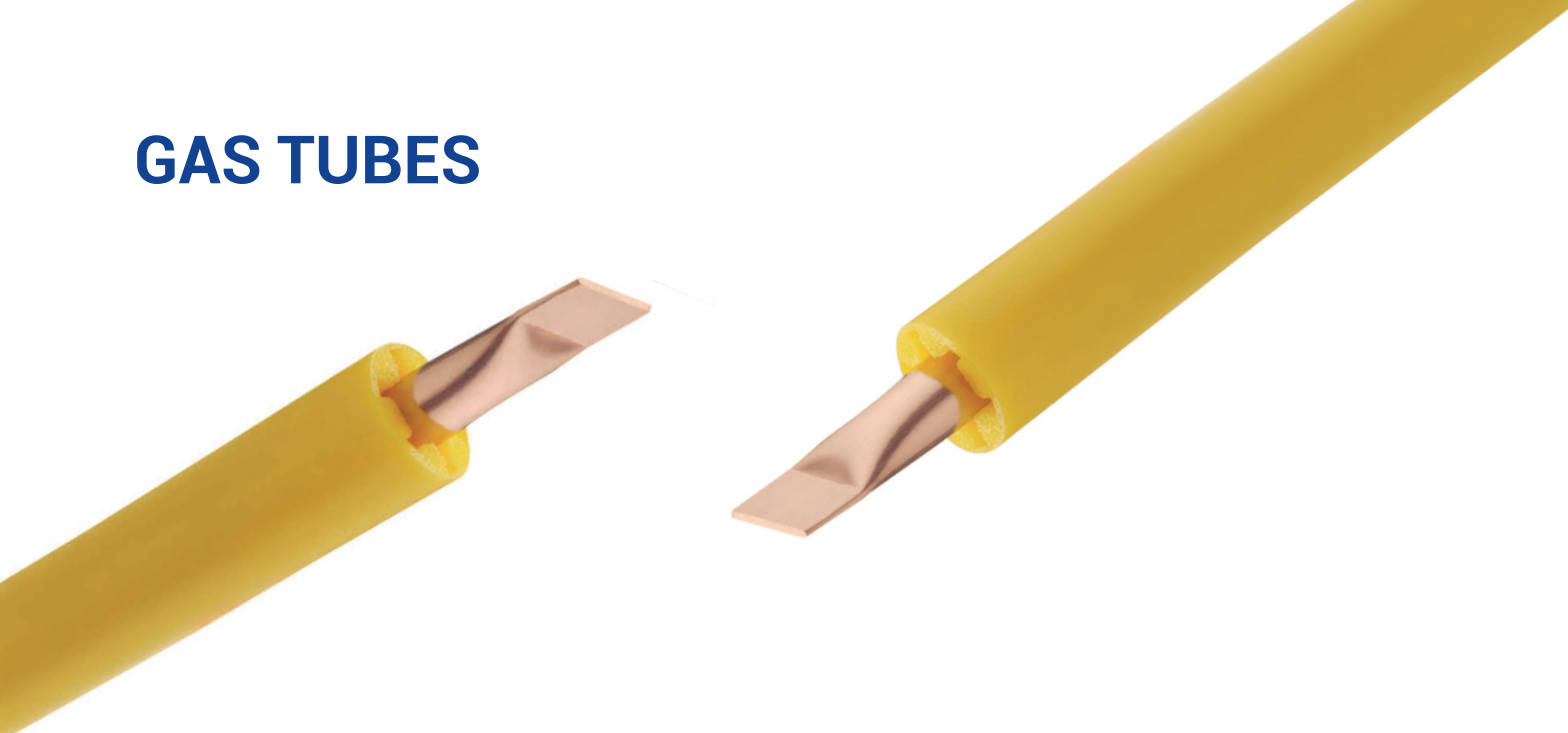
MITSUBISHI HEAVY		
DIS-22-1	FOR GAS A= 3/4-5/8-1/2 B= 5/8-1/2-3/8 C= 5/8-1/2-3/8	FOR LIQUID D= 1/2-3/8 E= 3/8-1/4 F= 3/8-1/4
DIS-180-1	FOR GAS A= 7/8-3/4-5/8 B= 3/4-5/8-1/2-3/8 C= 3/4-5/8-1/2-3/8	FOR LIQUID D= 5/8-1/2-3/8 E= 1/2-3/8-1/4 F= 1/2-3/8-1/4
DIS-371-1	FOR GAS A= 1 3/8 - 1 1/8 - 1 B= 1 - 7/8-3/4 C= 1 - 7/8-3/4	FOR LIQUID D= 3/4-5/8-1/2 E= 5/8-1/2-3/8 F= 5/8-1/2-3/8
DAS-2A-1	FOR GAS A= 1 3/8 - 1 5/8 B= 1 1/8 - 1 - 7/8 C= 1 1/8 - 1 - 7/8	FOR LIQUID D= 3/4-5/8-1/2 E= 5/8-1/2-3/8 F= 5/8-1/2-3/8
DIS-540-1	FOR GAS A= 1 5/8-1 3/8-1 1/8 B= 1 3/8 - 1 1/8 - 1 C= 1 3/8 - 1 1/8 - 1	FOR LIQUID D= 7/8-3/4-5/8 E= 3/4-5/8-1/2-3/8 F= 3/4-5/8-1/2-3/8
SAMSUNG		
MXJ-YA1509M	FOR GAS A= 3/4-5/8 B= 3/4-5/8-1/2 C= 5/8-1/2-3/8	FOR LIQUID D= 1/2-3/8 E= 3/8-1/4 F= 3/8-1/4
MXJ-YA2512M	FOR GAS A= 1 - 7/8-3/4 B= 1 - 7/8-3/4-5/8 C= 7/8-3/4-5/8-1/2	FOR LIQUID D= 3/8 - 1/2 E= 1/2-3/8-1/4 F= 1/2-3/8-1/4
MXJ-YA2815M	FOR GAS A= 1 3/8 - 1 1/8 B= 1 3/8 - 1 1/8 - 1 C= 1 1/8 - 1 - 7/8 - 3/4	FOR LIQUID D= 1/2 - 5/8 E= 5/8-1/2-3/8 F= 1/2-3/8-1/4
MXJ-YA3119M	FOR GAS A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 1/8 - 1 - 7/8 - 3/4	FOR LIQUID D= 3/4-5/8 E= 3/4-5/8-1/2 F= 5/8-1/2-3/8
MXJ-YA3419M	FOR GAS A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 1/8 - 1 - 7/8 - 3/4	FOR LIQUID D= 7/8-3/4-5/8 E= 7/8-3/4-5/8-1/2 F= 5/8-1/2-3/8
MXJ-TA3419M	FOR GAS A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 1/8 - 1 - 7/8 - 3/4	FOR LIQUID D= 7/8-3/4-5/8 E= 7/8-3/4-5/8-1/2 F= 5/8-1/2-3/8
MXJ-YA4119M	FOR GAS A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 3/8 - 1 1/8 - 1	FOR LIQUID D= 7/8-3/4-5/8 E= 7/8-3/4-5/8-1/2 F= 3/4-5/8-1/2
TOSHIBA		
RBM-BY-55E	FOR GAS A= 3/4-5/8 B= 3/4-5/8-1/2 C= 5/8-1/2-3/8	FOR LIQUID D= 1/2-3/8 E= 3/8-1/4 F= 3/8-1/4
RBM-BY-105E	FOR GAS A= 7/8-3/4-5/8 B= 7/8-3/4-5/8-1/2 C= 3/4-5/8-1/2	FOR LIQUID D= 3/8 - 1/2 E= 1/2-3/8-1/4 F= 1/2-3/8-1/4
RBM-BY-205E	FOR GAS A= 1 1/8 - 1 - 7/8 B= 1 1/8 - 1 - 7/8-3/4 C= 7/8-3/4-5/8-1/2	FOR LIQUID D= 5/8-3/4 E= 5/8-1/2-3/8 F= 1/2-3/8-1/4
RBM-BY-305E	FOR GAS A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 3/8 - 1 1/8 - 1	FOR LIQUID D= 7/8-3/4-5/8 E= 7/8-3/4-5/8-1/2 F= 3/4-5/8-1/2
RBM-BT14	FOR GAS A= 1 3/8 - 1 5/8 B= 1 3/8 - 1 1/8 - 1 C= 1 3/8 - 1 1/8 - 1	FOR LIQUID D= 7/8-3/4-5/8 E= 7/8-3/4-5/8-1/2 F= 3/4-5/8-1/2
RBM-BT24	2 piece * RBM - BT14	

High Quality
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Approaches



GAS
TUBES

GAS TUBES



OTTOCOOL GAS copper tube Cu DHP 99.9% copper - EN 1057, ASTM B280, expanded polyethylene, insulated with sheath in closed cell, is manufactured with state-of-the-art machinery and is expressly made for installing gas distribution facilities in civil residential buildings and according to the following provisions. UNI CIG 7129 standard for chased pipes

OTTOCOOL GAS copper tube is supplied in various coils length as 45m , 50m. Or different length if requested. Marked at intervals by indicating the relative metres.

The copper tube EN 1057 and ASTM B280 is marked **CE** as required by EU 305/2011 EU Construction Products Regulation (CPR).



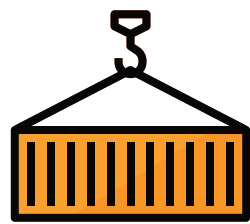
OTTOCOOL GAS COPPER TUBES DIMENSIONS

Dimensions Without Insulation	Dimensions With Insulation	Thickness Of Insulating Sheath	Bursting Pressure	Operating Pressure	Coil Length	Water Content Per Meter
12 X 1	24	6	37,4	9,35	50	0,0785
14 X 1	26	6	32,06	8,01	50	0,1131
15 X 1	27	6	29,92	7,48	50	0,1327
16 X 1	28	6	28,05	7,01	50	0,1539
18 X 1	30	6	24,93	6,23	50	0,2011
22 X 1,5	34	6	30,6	7,65	25	0,2835

Pallet Composition

Dimensions	Coil Length	Coils Per Pallet	Meters Per Pallet	Approx. Gross Pallet Weight	Dimensions Of Pack
mm	m	n	m	kg	cm
12 X 1	50	17	850	335	h 220 X Ø 80
14 X 1	50	16	800	363	h 220 X Ø 80
15 X 1	50	15	750	383	h 220 X Ø 80
16 X 1	50	15	750	394	h 220 X Ø 80
18 X 1	50	13	650	375	h 220 X Ø 90
22 X 1,5	25	18	450	456	h 220 X Ø 90

Pallet Composition For Container



Vehicle type	40'DC	20'DC
Number of Loadable Pallets	45	21

Insulated Copper Tube

50 m				25 m			
Dimension	6mm	9mm	13 mm	Dimension	6mm	9mm	13 mm
1/4"	18	16	15	1/4"	24	22	17
3/8"	17	15	14	3/8"	23	21	16
1/2"	14	13	13	1/2"	18	17	13
5/8"	*	12	11	5/8"	*	16	12
3/4"	*	12	10	3/4"	*	13	11
7/8"	*	*	*	7/8"	*	10	11

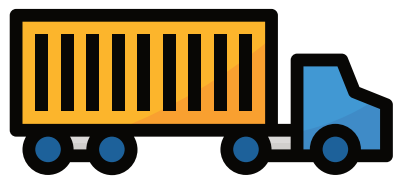
30 m				20 m			
Dimension	6mm	9mm	13 mm	Dimension	6mm	9mm	13 mm
1/4"	22	19	14	1/4"	25	23	17
3/8"	21	18	13	3/8"	24	22	16
1/2"	15	15	12	1/2"	19	18	13
5/8"	*	14	10	5/8"	*	16	12
3/4"	*	11	10	3/4"	*	14	11
7/8"	*	11	10	7/8"	*	11	11

Twin Insulated Copper Tube

50 m				25 m			
Dimension	6mm	9mm	13 mm	Dimension	6mm	9mm	13 mm
1/4" + 3/8"	12	11	10	1/4" + 3/8"	15	14	12
1/4" + 1/2"	11	10	9	1/4" + 1/2"	14	13	11
1/4" + 5/8"	*	10	8	1/4" + 5/8"	*	11	10
3/8" + 1/2"	11	10	9	3/8" + 1/2"	13	12	9
3/8" + 5/8"	*	9	7	3/8" + 5/8"	*	12	8
3/8" + 3/4"	*	9	6	3/8" + 3/4"	*	11	7
1/2" + 3/4"	*	9	6	1/2" + 3/4"	*	10	6

30 m				20 m			
Dimension	6mm	9mm	13 mm	Dimension	6mm	9mm	13 mm
1/4" + 3/8"	14	13	11	1/4" + 3/8"	15	14	12
1/4" + 1/2"	13	12	10	1/4" + 1/2"	14	13	11
1/4" + 5/8"	*	11	9	1/4" + 5/8"	*	11	10
3/8" + 1/2"	*	10	10	3/8" + 1/2"	13	12	9
3/8" + 5/8"	*	11	7	3/8" + 5/8"	*	12	8
3/8" + 3/4"	*	10	6	3/8" + 3/4"	*	11	7
1/2" + 3/4"	*	10	6	1/2" + 3/4"	*	10	6

Pallet Composition For Truck



Vehicle type	10 WHEEL TRUCK	40 FOOT TRUCK	TRUCK	40' HC
Number of Loadable Pallets	24	30	51	45

Insulated Copper Tube

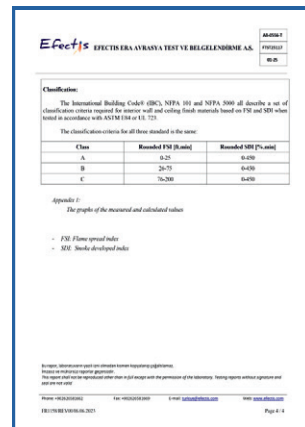
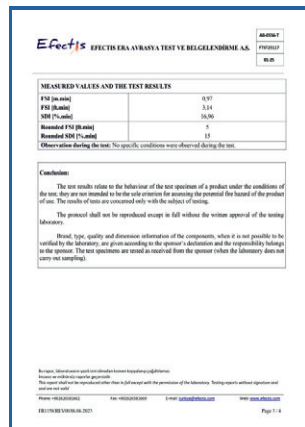
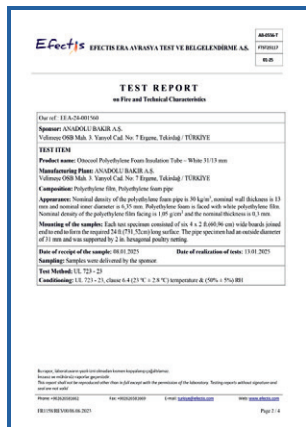
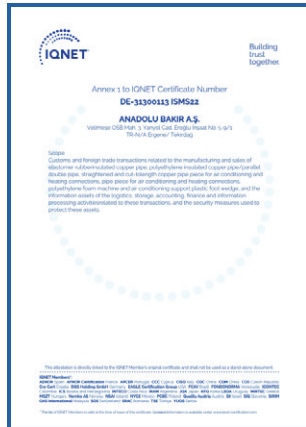
50 m				30 m			
Dimension	6mm	9mm	13 mm	Dimension	6mm	9mm	13 mm
1/4"	20	19	16	1/4"	26	24	17
3/8"	19	18	15	3/8"	25	22	16
1/2"	17	15	13	1/2"	18	17	14
5/8"	*	13	11	5/8"	*	16	12
3/4"	*	12	10	3/4"	*	13	11
7/8"	*	*	*	7/8"	*	12	10

25 m				20 m			
Dimension	6mm	9mm	13 mm	Dimension	6mm	9mm	13 mm
1/4"	27	25	18	1/4"	26	26	20
3/8"	26	23	17	3/8"	25	25	19
1/2"	19	18	15	1/2"	21	19	17
5/8"	*	17	13	5/8"	*	17	15
3/4"	*	14	12	3/4"	*	14	14
7/8"	*	13	11	7/8"	*	13	13

Twin Insulated Copper Tube

50 m				30 m			
Dimension	6mm	9mm	13 mm	Dimension	6mm	9mm	13 mm
1/4" + 3/8"	15	12	10	1/4" + 3/8"	16	14	12
1/4" + 1/2"	14	11	10	1/4" + 1/2"	15	13	11
1/4" + 5/8"	*	10	8	1/4" + 5/8"	*	12	10
3/8" + 1/2"	14	10	9	3/8" + 1/2"	*	12	10
3/8" + 5/8"	*	9	7	3/8" + 5/8"	*	12	10
3/8" + 3/4"	*	9	7	3/8" + 3/4"	*	11	9
1/2" + 3/4"	*	9	7	1/2" + 3/4"	*	10	8

25 m				20 m			
Dimension	6mm	9mm	13 mm	Dimension	6mm	9mm	13 mm
1/4" + 3/8"	17	15	13	1/4" + 3/8"	19	19	15
1/4" + 1/2"	16	14	12	1/4" + 1/2"	18	16	14
1/4" + 5/8"	*	13	11	1/4" + 5/8"	*	15	13
3/8" + 1/2"	14	13	11	3/8" + 1/2"	*	15	
3/8" + 5/8"	*	13	11	3/8" + 5/8"	*	15	13
3/8" + 3/4"	*	12	10	3/8" + 3/4"	*	13	12
1/2" + 3/4"	*	11	9	1/2" + 3/4"	*	13	11





📍 Velimeşe OSB. Mah. 3. Yanyol Cad.
No:5/2 Velimeşe Ergene/ Tekirdağ/ TÜRKİYE
☎ +90 212 558 05 95
✉ info@anadolubakir.com
🌐 www.anadolubakir.com/en
🌐 www.ottocool.com