



PANCAKE COPPER TUBE COIL

The Pancake Copper Tube (Cu-Dhp 99,9% cooper 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

Mechanical properties according to EN 12735-1 for pancake 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	5-22	0,5-2,0	up to 50m coils	Cardboard boxes on pallettes



PE-INSULATED COPPER TUBE

Suitable for air conditioning, refrigeration and industrial systems. Cu-Dhp 99,9% cooper 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.

Sustainability
Fully recyclable

Specificities
Unique aesthetical appearance
Excellent mechanical strength

Fire
Excellent flame extinguishing properties
SBI BL S1 D0

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

Certificates
Compliant with the German EnEV
CE system 3 certified

Service temperatures
Wide service temperature range
Minimum -80°C
Maximum 95°C (EN 14707)

Additional information
Standart Thickness : 6, 10, 13, 19

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% min = 45%
Physical Condition	Annealed
Internal Surface	Glossy, perfectly clean, conforming ASTM B-280 legislation
Heat Conduction at 20°C	364W/mK
Condition	Sealed ends, dehumified

Water
Closed cell structure for good water vapor barrier
Water vapor resistance μ -value ≥ 5000 (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 0.036 W/mK at 0°C (EN ISO 8497)

Loading
One Truck Can be loaded between 40.000-60.000 meters regarding insulation size



TWIN INSULATED COPPER TUBE

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 + 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	6-9-13-19
Operation Pressure bar	134-89	134-72	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	15-50



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INSULATED COPPER TUBE - MONTAGE KIT VRF SYSTEM

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+0,8	0,8+1,0	0,8+1,0	0,8+1,0	0,8+1,0
Insulation Thickness mm	6+6	6+6	6+6	6+6	6+6	6+6
Operation Pressure bar	94-89	94-72	94-62	89-62	89-52	72-52
Coil Length meter	3-4-5-7-10	3-4-5-7-10	3-4-5-7-10	3-4-5-7-10	3-4-5-7-10	3-4-5-7-10

INSULATED COPPER TUBE - MONTAGE KIT SPLIT SYSTEM

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	0,7+0,7	0,7+0,7	0,7+0,8	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
Operation Pressure bar	94-61	94-58	94-52	61-52	61-47	58-47
Coil Length meter	3-4-5-7-10	3-4-5-7-10	3-4-5-7-10	3-4-5-7-10	3-4-5-7-10	3-4-5-7-10



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"

