WICU®Clim

Covered copper tubes for refrigeration and air conditioning technology

Product information

WICU®Clim is a factory-made heat-insulated or cold-insulated copper tube used in refrigeration, air conditioning and heating applications. WICU®Clim is manufactured in inch sizes. The medium-carrying copper tube is produced based on the standard EN 12735-1 in all properties. The tubes are coated with a closed-cell PE foam, which reduces losses of cooling or heating energy. A PE film with high water vapor diffusion resistance prevents water vapor diffusion into the insulation and thus preserves a sustainable insulating effect of the flexible PE sheathing.

Product advantages
- Flexible soft resilient cold and heat insulation.
- Economical processing with few joints
- High water vapor diffusion resistance

Connection technologies
- Pressing
- Hard soldering
- Soft soldering

Fire behaviour
- according to B_L-s1,d0

Thermal conductivity of the insulation
- $\lambda \leq 0{,}040$ W/(m•K) at 20°C

Applications
- Room air conditioning
- Refrigeration systems

Material
- Cu-DHP, oxygen-free copper deoxidized with phosphorus.
- Material number: CW024A

Sheath
- closed-cell PE foam with robust PE jacket
- 100 % CFC /FC free
- According to EN 13501-1

Delivery form
- Inner surface bright according to EN 12735-1
- Dimensional tolerances according to EN 12735-1
- Strength R220 (soft)
- In coils of 20, 25 and 50 m

Packing
- Each coil is foiled and packed individually in a box

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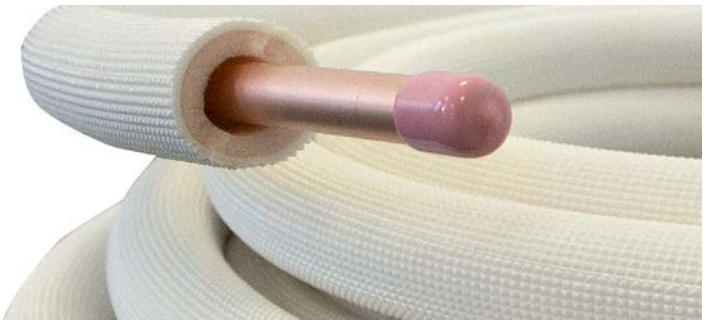

Delivery Programme

WICU® Clim Air conditioning tubes in inch dimensions with white sheathing

WICU CLIM, strength R220 soft, in rings, packed in cartons

Art.-No.	Dimension (")	Dimension (mm)	Coating	Length of Coil (mm)	min. coating thickness (mm)	max. permissible operating pressure (bar)	Water volume (l/m)
7500755	1/4"	6,35x0,8	single	50	9	171	0,018
7500757	3/8"	9,52x0,8	single	50	9	109	0,049
7500759	1/2"	12,70x0,8	single	50	9	80	0.097
7500754	1/4"	6,35x0,8	single	25	9	171	0,018
7500756	3/8"	9,52x0,8	single	25	9	109	0,049
7500758	1/2"	12,70x0,8	single	25	9	80	0,097
7500760	5/8"	15,88x1,0	single	25	9	77	0.151
7500762	3/4"	19,05x1,0	single	25	9	62	0,228
7500761	7/8"	22,22x1,0	single	25	9	53	0,321
7500763	1/4"+3/8"	6,35x0,8 & 9,52x0,8	dual	20	9	171/109	0,018/0,049
7500764	1/4"+1/2"	6,35x0,8 & 12,7x0,8	dual	20	9	171/80	0,018/0,097
7500765	1/4"+5/8"	6,35x0,8 & 15,88x1,0	dual	20	9	171/77	0,018/0,151
7500766	3/8"+5/8"	9,52x0,8 & 15,88x1,0	dual	20	9	109/77	0,049/0,151

The values of the maximum permissible operating pressure always refer to the material R200 and the respective dimension, **calculated with a safety factor of 3.0,** according to standard EN 14276:2020, which complies with the European directive PED 2014/68/EU (Pressure Equipment Directive). The minus tolerance of the wall thickness is considered. Further processing is not taken into account. Values valid up to 100°C operating temperature. For operating temperatures ↑100°C up to 250°C the operating pressure has to be to be recalculated.

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