BIROL ISITMA VE SOGUTMA A.S.

BRISCOOL

www.briscool.com.tr

EFFICIENT SOLUTIONS FOR YOUR HEATING AND COOLING SYSTEMS

BRISCOOL
be smart...

OUR CONTENTS

ABOUT US

Briscool Heating and Cooling Inc. with the experience of being the leading company in the sector since 1986, it offers quality, reasonable prices and the best service to our valued customers.

Briscool, In the sectors we have been operating for 37 years; Briscool is to provide the highest benefit to its customers, employees and managers as a company that respects the individual and society, adheres to the law, economic and ethical principles, and is sensitive to safety and environment.

Briscool always gives you full support in the field of HVAC-R with pancake copper tubes, straight pipes, LWC pipes, rubber or polyethylene insulated pipes, installation kits, drain hoses, air conditioner brackets, cables (H05VV-F, LIHCH, LIYCY, NYAF, NYA) and copper fittings.

PRE-INSULATED
COPPER TUBES

BRISCOOL WHITE
PRE-INSULATED COPPER TUBES

Briscool Pre-Insulated Copper Tubes are advanced technological products of high added value and significantly superior in effectiveness compared to conventional insulation methods.Suitable for air conditioning,VRF systems, Split units, 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. The unique advantages offered by the Briscool Pre-Insulated Copper Tubes, such as copper resistance and durability, coupled with high performance pre-insulation, result in significiant energy savings. Briscool Pre-Insulated copper tubes are ideal choice for every modern application with a competitive market price and low installation cost.

Technical Specs of Copper Tubes

Chemical Composition
%99,9 Cu-Dhp

Conformity
EN-12735-1 , ASTM B280

Specific Heat (at 20°C)
0,0921cal/g°C

Stretch Modulus(at 20°C annealed)
12000kg/mm²

Thermal Conductivity(at 20°C)
0.70-0,87 cal/cm²

Elongation A%
A% min=45%

Internal Surface
Glossy, pertectly clean conforming
ASTM B-280 and EN12735-1 legislation

Technical Specs of PE Insulation

Metarial
PE (Polyethylene) Foam

Sustinability
Fully recyclable

Specificiities
Unique aesthetical apperance
Excellent mechanical strength

Density According to DIN 53420 ASTM D 1667
30-33 KG/m³

Reaction to Fire
EN 13501-1 Class B or Class E

Service Temperatures
Minimum - 80°C
Maximum 95°C

Thickness Range of Insulation
6-9-13-19

Values are listed, as obtained under standart laboraty conditions and may be amended, without prior notice.

Standart Dimensions according to EN 12735-1

Copper Tube External Diameter	Inch	1/4	3/8	1/2	5/8	3/4	7/8
	mm	6.35	9.52	12.70	15.87	19.05	22.22
Copper Tube Wall Thickness	mm	0.80	0.80	0.80	1.00	1.00	1.10
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 Allowable Pressure	bar	158	98	72	67	59	45
Coil Length	meter	15/50	15/50	15/50	15/50	15/50	15/50

BRISCOOL DOUBLE WHITE
PRE-INSULATED COPPER TUBES

Briscool Pre-Insulated Copper Tubes are advanced technological products of high added value and significantly superior in effectiveness compared to conventional insulation methods.Suitable for air conditioning,VRF systems, Split units, 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. The unique advantages offered by the Briscool Pre-Insulated Copper Tubes, such as copper resistance and durability, coupled with high performance pre-insulation, result in significiant energy savings. Briscool Pre-Insulated copper tubes are ideal choice for every modern application with a competitive market price and low installation cost.

Technical Specs of Copper Tubes

Chemical Composition
%99,9 Cu-Dhp

Conformity
EN-12735-1 , ASTM B280

Specific Heat (at 20°C)
0,0921cal/g°C

Stretch Modulus(at 20°C annealed)
12000kg/mm²

Thermal Conductivity(at 20°C)
0.70-0,87 cal/cm²

Elongation A%
A% min=45%

Internal Surface
Glossy, pertectly clean conforming
ASTM B-280 and EN12735-1 legislation

Technical Specs of PE Insulation

Metarial
PE (Polyethylene) Foam

Sustinability
Fully recyclable

Specificiities
Unique aesthetical apperance
Excellent mechanical strength

Density According to DIN 53420 ASTM D 1667
30-33 KG/m³

Reaction to Fire
EN 13501-1 Class B or Class E

Service Temperatures
Minimum - 80°C
Maximum 95°C

Thickness Range of Insulation
6-9-13-19

Values are listed, as obtained under standart laboraty conditions and may be amended, without prior notice.

Standart Dimensions according to EN 12735-1

Copper Tube External 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
	mm	6,35-9,52	6,35-12,70	6,35-15,87	9,52-15,87	9,52-19,05	12,70-19,05
Copper Tube Wall Thickness	mm	0,80-0,80	0,80-0,80	0,80-1,00	0,80-1,00	0,80-1,00	0,80-1,00
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 Allowable Pressure	bar	158-98	158-72	158-67	98-67	98-59	72-59
Coil Length	meter	15/50	15/50	15/50	15/50	15/50	15/50

BRISCOOL BLACK
PRE-INSULATED COPPER TUBES

Briscool Pre-Insulated Copper Tubes are advanced technological products of high added value and significantly superior in effectiveness compared to conventional insulation methods.Suitable for air conditioning,VRF systems, Split units, 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. The unique advantages offered by the Briscool Pre-Insulated Copper Tubes, such as copper resistance and durability, coupled with high performance pre-insulation, result in significiant energy savings. Briscool Pre-Insulated copper tubes are ideal choice for every modern application with a competitive market price and low installation cost.

Technical Specs of Copper Tubes

Chemical Composition
%99,9 Cu-Dhp

Conformity
EN-12735-1 , ASTM B280

Specific Heat (at 20°C)
0,0921cal/g°C

Stretch Modulus(at 20°C annealed)
12000kg/mm²

Thermal Conductivity(at 20°C)
0.70-0,87 cal/cm²

Elongation A%
A% min=45%

Internal Surface
Glossy, pertectly clean conforming
ASTM B-280 and EN12735-1 legislation

Technical Specs of PE Insulation

Metarial
PE (Polyethylene) Foam

Sustinability
Fully recyclable

Specificiities
Unique aesthetical apperance
Excellent mechanical strength

Density According to DIN 53420 ASTM D 1667
30-33 KG/m³

Reaction to Fire
EN 13501-1 Class B or Class E

Service Temperatures
Minimum - 80°C
Maximum 95°C

Thickness Range of Insulation
6-9-13-19

Values are listed, as obtained under standart laboraty conditions and may be amended, without prior notice.

Standart Dimensions according to EN 12735-1

Copper Tube External Diameter	Inch	1/4	3/8	1/2	5/8	3/4	7/8
	mm	6.35	9.52	12.70	15.87	19.05	22.22
Copper Tube Wall Thickness	mm	0.80	0.80	0.80	1.00	1.00	1.10
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 Allowable Pressure	bar	158	98	72	67	59	45
Coil Length	meter	15/50	15/50	15/50	15/50	15/50	15/50

BRISCOOL DOUBLE BLACK
PRE-INSULATED COPPER TUBES

Briscool Pre-Insulated Copper Tubes are advanced technological products of high added value and significantly superior in effectiveness compared to conventional insulation methods.Suitable for air conditioning,VRF systems, Split units, 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. The unique advantages offered by the Briscool Pre-Insulated Copper Tubes, such as copper resistance and durability, coupled with high performance pre-insulation, result in significiant energy savings. Briscool Pre-Insulated copper tubes are ideal choice for every modern application with a competitive market price and low installation cost.

Technical Specs of Copper Tubes

Chemical Composition
%99,9 Cu-Dhp

Conformity
EN-12735-1 , ASTM B280

Specific Heat (at 20°C)
0,0921cal/g°C

Stretch Modulus(at 20°C annealed)
12000kg/mm²

Thermal Conductivity(at 20°C)
0.70-0,87 cal/cm²

Elongation A%
A% min=45%

Internal Surface
Glossy, pertectly clean conforming
ASTM B-280 and EN12735-1 legislation

Technical Specs of PE Insulation

Metarial
PE (Polyethylene) Foam

Sustinability
Fully recyclable

Specificiities
Unique aesthetical apperance
Excellent mechanical strength

Density According to DIN 53420 ASTM D 1667
30-33 KG/m³

Reaction to Fire
EN 13501-1 Class B or Class E

Service Temperatures
Minimum - 80°C
Maximum 95°C

Thickness Range of Insulation
6-9-13-19

Values are listed, as obtained under standart laboraty conditions and may be amended, without prior notice.

Standart Dimensions according to EN 12735-1

Copper Tube External 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
	mm	6,35-9,52	6,35-12,70	6,35-15,87	9,52-15,87	9,52-19,05	12,70-19,05
Copper Tube Wall Thickness	mm	0,80-0,80	0,80-0,80	0,80-1,00	0,80-1,00	0,80-1,00	0,80-1,00
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 Allowable Pressure	bar	158-98	158-72	158-67	98-67	98-59	72-59
Coil Length	meter	15/50	15/50	15/50	15/50	15/50	15/50

BRISCOOL ANTI-UV
FIREPROOF PE INSULATION

Briscool Pre-Insulated Copper Tubes are advanced technological products of high added value and significantly superior in effectiveness compared to conventional insulation methods. Suitable for air conditioning,VRF systems, Split units, refrigeration and industrial systems. Cu-Dhp 99,9% copper pipe insulated with an expanded polyethylene tube, closed cell and an external LDPE foil. Closed cell structure for thermal insulation. Maximum Fire Safety with self-extinguishing DIN 4102-B1, SBI BL S1D0. Nontoxic gases and resistant to external chemical agents and ultra-violet rays. Doesn't contain harmful materials to human health. Free of harmful chemicals and HCFC. Not affected by chemicals and environmental conditions. Water and moisture proof. With its flexible structure, it doesn't crush or collapse after impact. The unique advantages offered by the Briscool Pre-Insulated Copper Tubes, such as copper resistance and durability, coupled with high performance pre-insulation, result in significiant energy savings. Briscool Pre-Insulated copper tubes are ideal choice for every modern application with a competitive market price and low installation cost.

Technical Specs of Copper Tubes

Chemical Composition
%99,9 Cu-Dhp

Conformity
EN-12735-1 , ASTM B280

Specific Heat (at 20°C)
0,0921cal/g°C

Stretch Modulus(at 20°C annealed)
12000kg/mm²

Thermal Conductivity(at 20°C)
0.70-0,87 cal/cm²

Elongation A%
A% min=45%

Internal Surface
Glossy, pertectly clean conforming
ASTM B-280 and EN12735-1 legislation

Technical Specs of PE Insulation

Dimensional Stabilities According to ISO 2796 for Temperatures up to 100°C
< 5%

Thermal Conductivity Coefficient According to EN ISO 8497
0.0357 W/mK (0°C) - 0.0389 W/mK (40°C)

Working Temperature According to Laboratory Tests
-80°C to +110°C

The Reaction of the Insulation to Fire
EN 13501-1 Class B DIN 4102

Density According to DIN 53420
30 - 33 kg/m3

Resistance to Chemical Agents According to ASTM 543-56 T
Very Good

Vapour water diffusion resistance c oefficient according to EN 13469
12,500

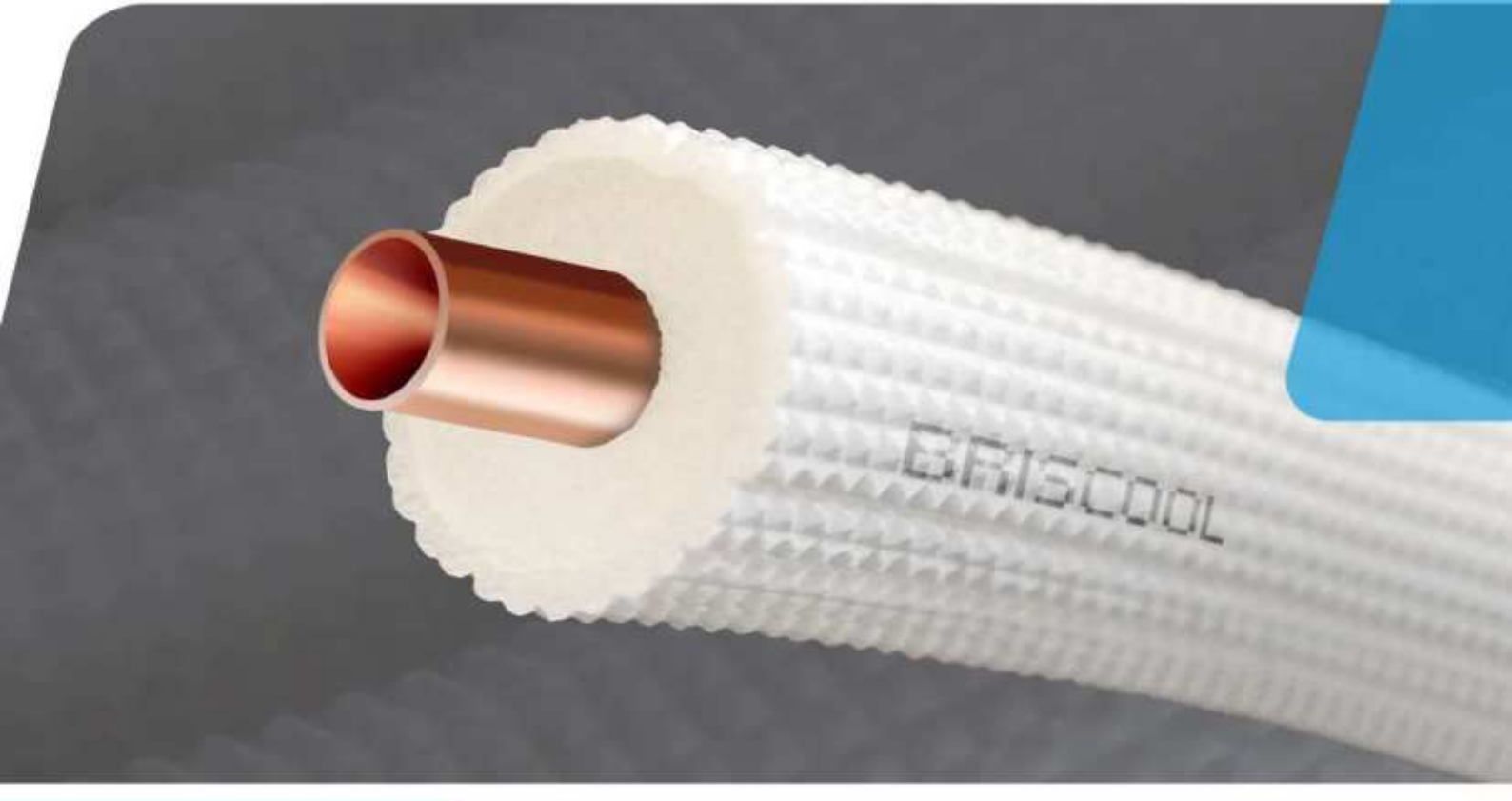
Values are listed, as obtained under standart laboraty conditions and may be amended, without prior notice.

Standart Dimensions according to EN 12735-1

Copper Tube External Diameter	Inch	1/4	3/8	1/2	5/8	3/4	7/8
	mm	6.35	9.52	12.70	15.87	19.05	22.22
Copper Tube Wall Thickness	mm	0.80	0.80	0.80	1.00	1.00	1.10
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 Allowable Pressure	bar	158	98	72	67	59	45
Coil Length	meter	15/50	15/50	15/50	15/50	15/50	15/50

Cross-Linked Polyethylene

UV RESISTANCE



BRISCOOL RUBBER
PRE-INSULATED COPPER TUBES

Briscool Rubber Insulated Copper Pipes are advanced technological products with high added value and significantly superior in effectiveness compared to traditional insulation methods. It is suitable for air conditioners, VRF systems, Split units. It provides maximum savings with its low thermal conductivity coefficient (0.034W/mK). Maximum Fire Safety with EN 13501-1 B-s2 d0. Does not release toxic gases and fumes during fire. Rubber Insulated Copper Pipe is also suitable for food industry, subway and submarines. It is environmentally friendly, does not contain HCFC-GFC. The unique advantages of Briscool Rubber Insulated Copper Tubes, such as copper resistance and durability, combined with high performance pre-insulation provide significant energy savings. Briscool Rubber Insulated Copper Tubing is the ideal choice for any modern application with a competitive market price and low installation cost.

Technical Specs of Copper Tubes

Chemical Composition
%99,9 Cu-Dhp

Conformity
EN-12735-1 , ASTM B280

Specific Heat (at 20°C)
0,0921cal/g°C

Stretch Modulus(at 20°C annealed)
12000kg/mm²

Thermal Conductivity(at 20°C)
0.70-0,87 cal/cm²

Elongation A%
A% min=45%

Internal Surface
Glossy, pertectly clean conforming ASTM B-280 and EN12735-1 legislation

Technical Specs of Rubber Insulation

Metarial
Elastomeric rubber foam

Types of Facing
Without Facing

μ (Water Vapor Diffusion Resistance Factor)
7000

λ (Thermal Conductivity) W/ (m.K)
0.0034(0°C)
0.0039(25°C)
0.0041(75°C)

Fire Response Classification (EN 13501-1)
BL-s2,d0

Service Temperature °C (EN14707)
-50/116°C

Values are listed, as obtained under standart laboraty conditions and may be amended, without prior notice.

Standart Dimensions according to EN 12735-1

Copper Tube External Diameter	Inch	1/4	3/8	1/2	5/8	3/4	7/8
	mm	6.35	9.52	12.70	15.87	19.05	22.22
Copper Tube Wall Thickness	mm	0.80	0.80	0.80	1.00	1.00	1.10
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 Allowable Pressure	bar	158	98	72	67	59	45
Coil Length	meter	15/50	15/50	15/50	15/50	15/50	15/50

BRISCOOL PRE-INSULATED
COPPER TUBES PRODUCT CATEGORIES

Briscool Pre-Insulated Copper Tubes are advanced technological products of high added value and significantly superior in effectiveness compared to conventional insulation methods.Suitable for air conditioning,VRF systems, Split units, 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. The unique advantages offered by the Briscool Pre-Insulated Copper Tubes, such as copper resistance and durability, coupled with high performance pre-insulation, result in significiant energy savings. Briscool Pre-Insulated copper tubes are ideal choice for every modern application with a competitive market price and low installation cost.

Technical Specs of Copper Tubes

Chemical Composition
%99,9 Cu-Dhp

Conformity
EN-12735-1 , ASTM B280

Specific Heat (at 20°C)
0,0921cal/g°C

Stretch Modulus(at 20°C annealed)
12000kg/mm²

Thermal Conductivity(at 20°C)
0.70-0,87 cal/cm²

Elongation A%
A% min=45%

Internal Surface
Glossy, pertectly clean conforming
ASTM B-280 and EN12735-1 legislation

Technical Specs of PE Insulation

Metarial
PE (Polyethylene) Foam

Sustinability
Fully recyclable

Specificiities
Unique aesthetical apperance
Excellent mechanical strength

Density According to DIN 53420 ASTM D 1667
30-33 KG/m³

Reaction to Fire
EN 13501-1 Class B or Class E

Service Temperatures
Minimum - 80°C
Maximum 95°C

Thickness Range of Insulation
6-9-13-19

Values are listed, as obtained under standart laboraty conditions and may be amended, without prior notice.

Standart Dimensions according to EN 12735-1

The dimensions listed in the table are subject to variation due to the tolerance features of the pipes.

Copper Tube External Diameter	Inch	1/4	3/8	1/2	5/8	3/4	7/8
	mm	6.35	9.52	12.70	15.87	19.05	22.22
BRISCOOL SMART	mm	1.00	1.00	1.00	1.00	1.00	1.12
BRISCOOL MAXI	mm	0.80	0.80	0.80	1.00	1.00	1.12
B-FORM VRV	mm	0.75	0.75	0.75	0.90	0.90	
B-FORM SPLIT	mm	0.70	0.70	0.70	0.80	0.80	

TRANSPORTATION

HOW MANY ROLLS FITS TO PALLETS

White Pre Insulated Copper Tube

- 1/4 = 15
- 3/8 = 15
- 1/2 = 15
- 5/8 = 10
- 3/4 = 10

Black Pre Insulated Copper Tube

- 1/4 = 15
- 3/8 = 15
- 1/2 = 15
- 5/8 = 10
- 3/4 = 10

9 MM Rubber Insulated Copper Pıpe

- 1/4 = 8
- 3/8 = 8
- 1/2 = 7
- 5/8 = 6
- 3/4 = 6

White Double Insulated Copper Tube

- 1/4" - 3/8 = 8
- 1/4" – 1/2 = 8
- 1/4" - 5/8 = 7
- 3/8" - 5/8 = 7
- 3/8" – 3/4 = 6
- 1/2" – 3/4 = 6

Black Double Insulated Copper Tube

- 1/4" - 3/8 = 8
- 1/4" – 1/2 = 8
- 1/4" - 5/8 = 7
- 3/8" - 5/8 = 7
- 3/8" – 3/4 = 6
- 1/2" –3/4 = 6

13 MM Rubber Insulated Copper Pıpe

- 1/4 = 8
- 3/8 = 8
- 1/2 = 7
- 5/8 = 6
- 3/4 = 6

TRANSPORTATION

PALLET SIZE : 75 * 75

• 20' DRY CONTAINER	24 PALLET
• 40' DRY CONTAINER	48 PALLET
• 40' HIGH CUBE	48 PALLET
• 45' HIGH CUBE	54 PALLET
• STANDARD OPTIMA TRUCK	54 PALLET
• MEGA TRUCK WITH AWNING	54 PALLET

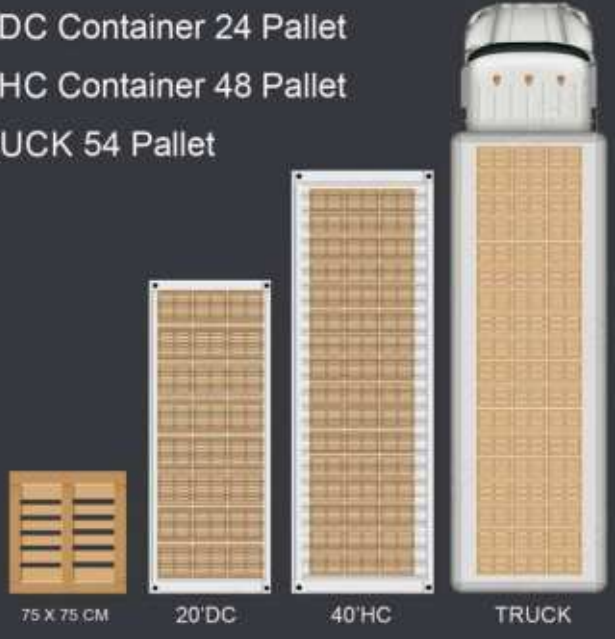
Anti-UV White Pre Insulated Copper Tube

- 1/4 = 15
- 3/8 = 15
- 1/2 = 15
- 5/8 = 10
- 3/4 = 10

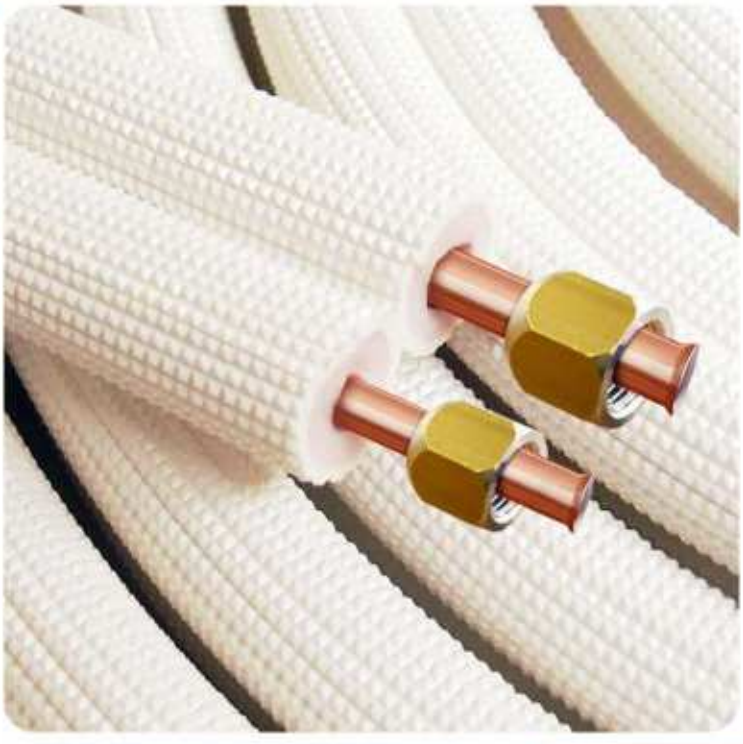
20'DC Container 24 Pallet

40'HC Container 48 Pallet

TRUCK 54 Pallet



BRISCOOL
COPPER MONTAGE KITS



BRISCOOL
COPPER MONTAGE KITS

Briscool Copper Montage Kits are designed especially for the Split Air Conditioning and Heat Pump Systems products requiring installation with flared connections. 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. Non Toxic gases and resistant to external chemical agents and ultra-violet rays. The unique advantages offered by the Briscool Montage Kits, including copper resistance and pre-flared ends with mounted flare nuts, result in significant energy saving and in quick, cost effective field installations.

Technical Specs of Copper Tubes

Chemical Composition
%99,9 Cu-Dhp

Conformity
EN-12735-1 , ASTM B280

Specific Heat (at 20°C)
0,0921cal/g°C

Stretch Modulus(at 20°C annealed)
12000kg/mm²

Thermal Conductivity(at 20°C)
0.70-0,87 cal/cm²

Elongation A%
A% min=45%

Internal Surface
Glossy, pertectly clean conforming
ASTM B-280 and EN12735-1 legislation

Technical Specs of PE Insulation

Metarial
PE (Polyethylene) Foam

Sustinability
Fully recyclable

Specificiities
Unique aesthetical apperance
Excellent mechanical strength

Density According to DIN 53420 ASTM D 1667
30-33 KG/m³

Reaction to Fire
EN 13501-1 Class B or Class E

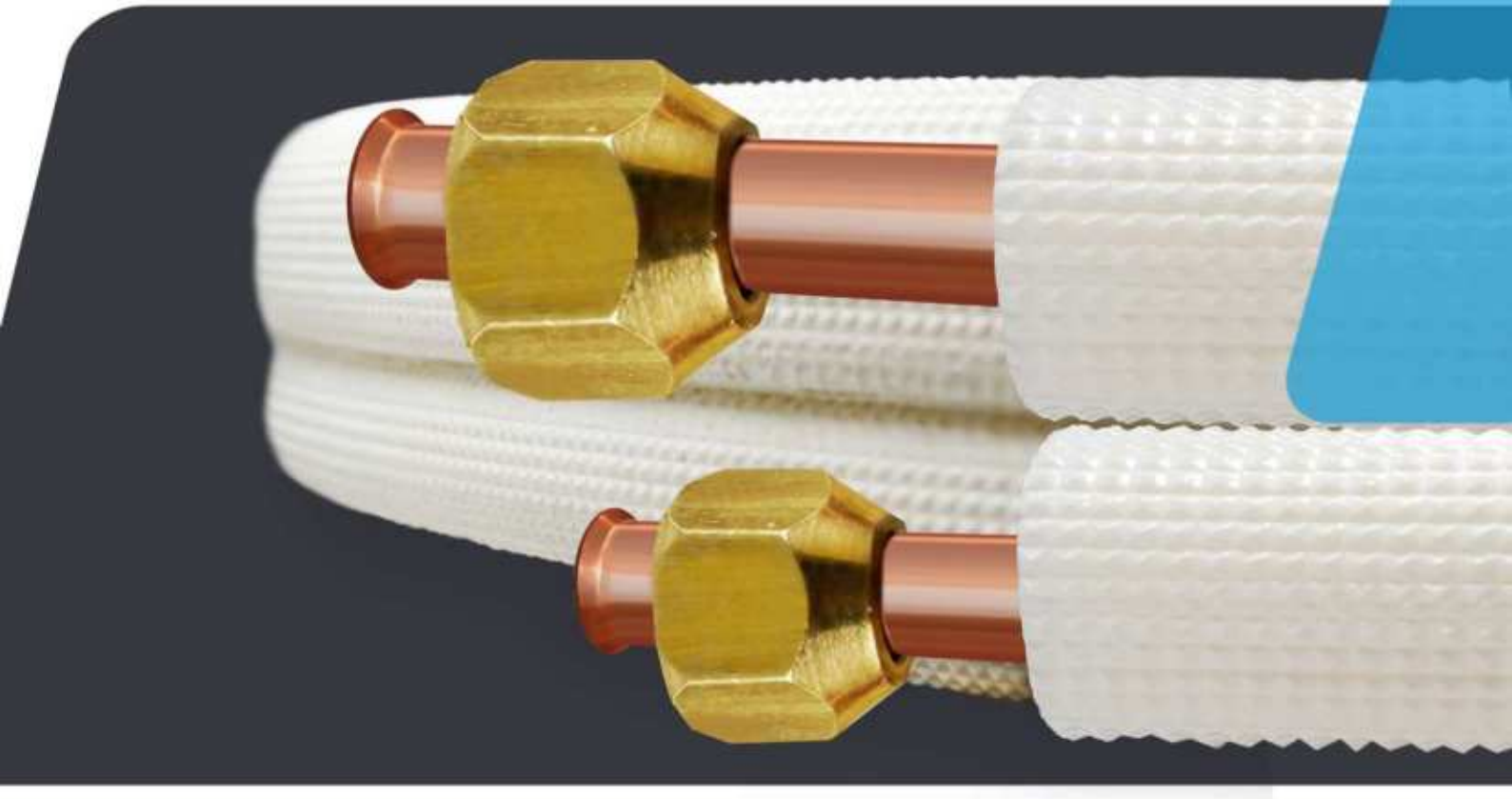
Service Temperatures
Minimum - 80°C
Maximum 95°C

Thickness Range of Insulation
6-9-13-19

Values are listed, as obtained under standart laboraty conditions and may be amended, without prior notice.

Standart Dimensions according to EN 12735-1

Copper Tube External 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
	mm	6,35-9,52	6,35-12,70	6,35-15,87	9,52-15,87	9,52-19,05	12,70-19,05
Copper Tube Wall Thickness	mm	0,80-0,80	0,80-0,80	0,80-1,00	0,80-1,00	0,80-1,00	0,80-1,00
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 Allowable Pressure	bar	158-98	158-72	158-67	98-67	98-59	72-59
Coil Length	meter	3-5-7-10-15	3-5-7-10-15	3-5-7-10-15	3-5-7-10-15	3-5-7-10-15	3-5-7-10-15



Advantages of Briscool Montage Kits:

- Quick, Safe and Cost effective installations
- High UV Protection
- Comprehensive range of sizes.
- Custom production for you (OEM)
- Optional Premium Content

Additional Products:

AC Bracket

Drain Hose

Electric Cable

Signal Cable

Screw

Sponge

Clamp

Tape

Socket

and more products ...

BRISCOOL CREATE YOUR OWN KIT PREMIUM QUALITY

BRISCOOL
COPPER TUBES

BRISCOOL
STRAIGHT COPPER TUBES

Briscool copper tubes are easy to install with cost-effectiveness and provide safe and secure operation. The straight copper tubes are used for air conditioning & refrigeration industries, electrical industries and sanitary purposes. Cu-Dhp 99,9% copper pipe (EN 12735-1) sealed ends and dehumified, R290 nonannealed and R220 annealed in straight form, high resistance to pitting corrosion. Briscool copper tubes are resistant to high operation pressures and temperatures. They are stable and self-supporting.

Technical Specs of Copper Tubes

Chemical Composition
%99,9 Cu-Dhp

Conformity
EN-12735-1 , ASTM B280

Specific Heat (at 20°C)
0,0921cal/g°C

Stretch Modulus(at 20°C annealed)
12000kg/mm²

Thermal Conductivity(at 20°C)
0.70-0,87 cal/cm²

Elongation A%
A% min=45%

Internal Surface
Glossy, pertectly clean conforming
ASTM B-280 and EN12735-1 legislation

Straight Copper Tubes :

Ease of cold bending

Reduction of necessary fittings

Easier construction of networks

Faster installation and higher workmanship

Overall lower installation costs

Durable pipes, their resistance to gas pressure is high.

Doesn't pollute the water, they have a self-cleaning feature of bacteria.

Saves on shipping cost as it is lightweight and easy portable

Human and environment friendly.

Fire resistant.

Values are listed, as obtained under standart laboraty conditions and may be amended, without prior notice.

Standart Dimensions according to EN 12735-1

Hard Straight Copper Tubes

Diameter x Thickness (mm)	Internal Diameter (mm)	Nominal Copper Weight (kg/m)	External Surface Area (m^2/m)	Tube Lenghts	Maximum Allowable Pressure (bar)
15 x 0,80	13.4	0.318	0.047	5m	67
15 x 1.00	13,04	0,391	0,047	5m	82
16 x 1,00	14,0	0,419	0,050	5m	77
18 x 0,80	16,4	0,385	0,057	5m	56
18 x 1,00	16,0	0,475	0,057	5m	66
22 x 1,00	20,0	0,587	0,69	5m	54
22 x 1,20	19,06	0,709	0,69	5m	59
28 x 1,00	26,0	0,755	0,088	5m	42
28 x 1,20	25,6	0,913	0,088	5m	51
28 x 1,50	25,0	1,111	0,088	5m	64
35 x 1,00	33,0	0,950	0,110	5m	33
35 x 1,20	32,6	1,152	0,110	5m	41
35 x 1,50	32,0	1,405	0,110	5m	50
42 x 1,00	40,0	1,146	0,132	5m	28
42 x 1,20	39,6	1,368	0,132	5m	33
42 x 1,50	39,00	1,700	0,132	5m	42
54 x 1,20	51,6	1,771	0,170	5m	26
54 x 1,50	51,0	2,202	0,170	5m	32

*The values of the maximum allowable pressure refer to the meterial condition r200 a safety factor of 3.0 used. The minus tolerance of the wall thickness is considered. No further processing is taken into account. For temperature up to 100°C

BRISCOOL
MEDICAL COPPER TUBES

In the sensitive healthcare areas and installations, it is imperative to use materials that safeguard cleanliness and have a neat appearance and durability.The Medical Copper Tube (Cu-Dhp 99,9%) is suitable for medical gas system, gas mixture, air system andvacuum systems as well as anesthetic evacuation gases in accordance with the correspondingstandards. Medical Copper Tube is subjected to a rigorous internal cleaning process according to the technical specifications provided by the EN 13348.

Technical Specs of Copper Tubes

Chemical Composition
%99,9 Cu-Dhp

Conformity
EN-12735-1 , ASTM B280

Specific Heat (at 20°C)
0,0921cal/g°C

Stretch Modulus(at 20°C annealed)
12000kg/mm²

Thermal Conductivity(at 20°C)
0.70-0,87 cal/cm²

Elongation A%
A% min=45%

Internal Surface
Glossy, pertectly clean conforming
ASTM B-280 and EN12735-1 legislation

Standarts of Medical Tubes

Manufactured according to EN 1057, EN13348 and TSE 380.

Seamless, semi-hard annealed and straight pipe

Electrolytic and Arsenic-free copper

The inside of the copper pipes were cleaned with Carbon Tetrachloride.

The relevant standard, the manufacturer's company name and the suitability for oxygen use are permanently written on the pipes.

The two ends of the pipes are closed with plastic plugs.

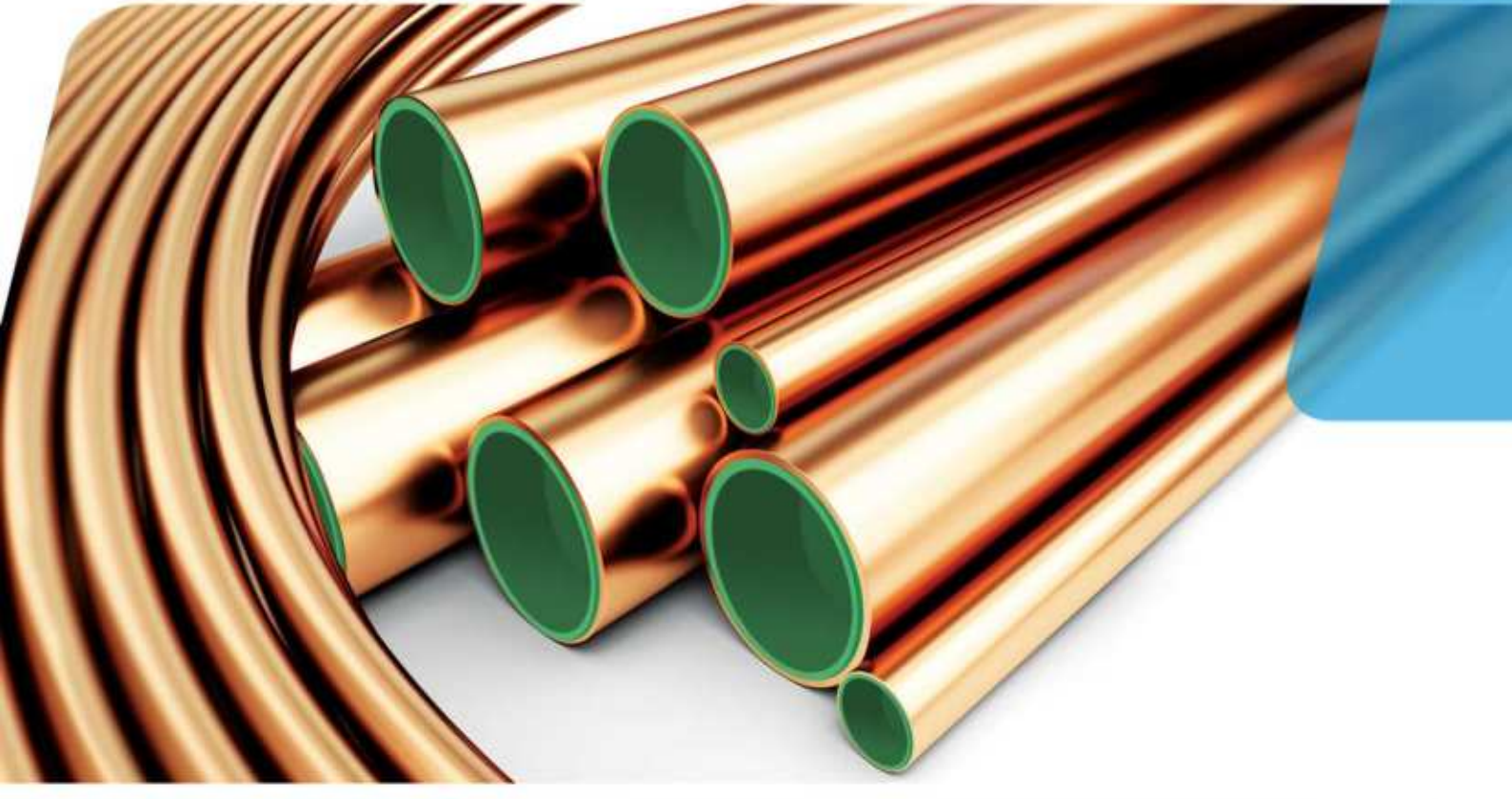
Values are listed, as obtained under standart laboraty conditions and may be amended, without prior notice.

Standart Dimensions according to EN 12735-1

Hard Straight Copper Tubes

Diameter x Thickness (mm)	Internal Diameter (mm)	Nominal Copper Weight (kg/m)	External Surface Area (m^2/m)	Tube Lenghts	Maximum Allowable Pressure (bar)
6 x 1,00	4,0	0,140	0,019	5m	225
8 x 1,00	6,0	0,196	0,025	5m	163
10 x 1,00	8,0	0,252	0,031	5m	127
12 x 1,00	10,0	0,308	0,038	5m	104
15 x 1,00	13,04	0,391	0,047	5m	82
18 x 1,00	16,0	0,475	0,057	5m	66
22 x 1,00	20,0	0,587	0,69	5m	54
28 x 1,00	26,0	0,755	0,088	5m	42
35 x 1,00	33,0	0,950	0,110	5m	33
35 x 1,50	32,0	1,405	0,110	5m	50
42 x 1,00	40,0	1,146	0,132	5m	28
42 x 1,50	39,00	1,700	0,132	5m	42
54 x 1,50	51,0	2,202	0,170	5m	32
54 x 2,00	50,0	2,908	0,170	5m	43

*The values of the maximum allowable pressure refer to the meterial condition r200 a safety factor of 3.0 used. The minus tolerance of the wall thickness is considered. No further processing is taken into account. For temperature up to 100°C



BRISCOOL
LWC LEVEL WOUND COILS

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.Level Wound Coils are specially suited to long production runs for industrial applications and it is widely applied to the Air Conditioning & Refrigeration as well as the Heat Exchanger field. Due to the large coil shape of the LWC, it allows the user to obtain pipes of different lengths. For proper delivery of coil rolls are stacked on a wooden pallet and enclosed in stretch wrap. In this way, dust and damage to the pipes are prevented.

Technical Specs of Copper Tubes

Chemical Composition
%99,9 Cu-Dhp

Conformity
EN-12735-1 , ASTM B280

Specific Heat (at 20°C)
0,0921cal/g°C

Stretch Modulus(at 20°C annealed)
12000kg/mm²

Thermal Conductivity(at 20°C)
0.70-0,87 cal/cm²

Elongation A%
A% min=45%

Internal Surface
Glossy, pertectly clean conforming
ASTM B-280 and EN12735-1 legislation

Technical Properties of LWC

Material
99.9% Cu and P = 0.015 - 0.040%

Temper
Light Annealed (050)
Soft Annealed (060)
also can be produced as
hard drawn temper

Standards
ASTM B280
EN 12735-1

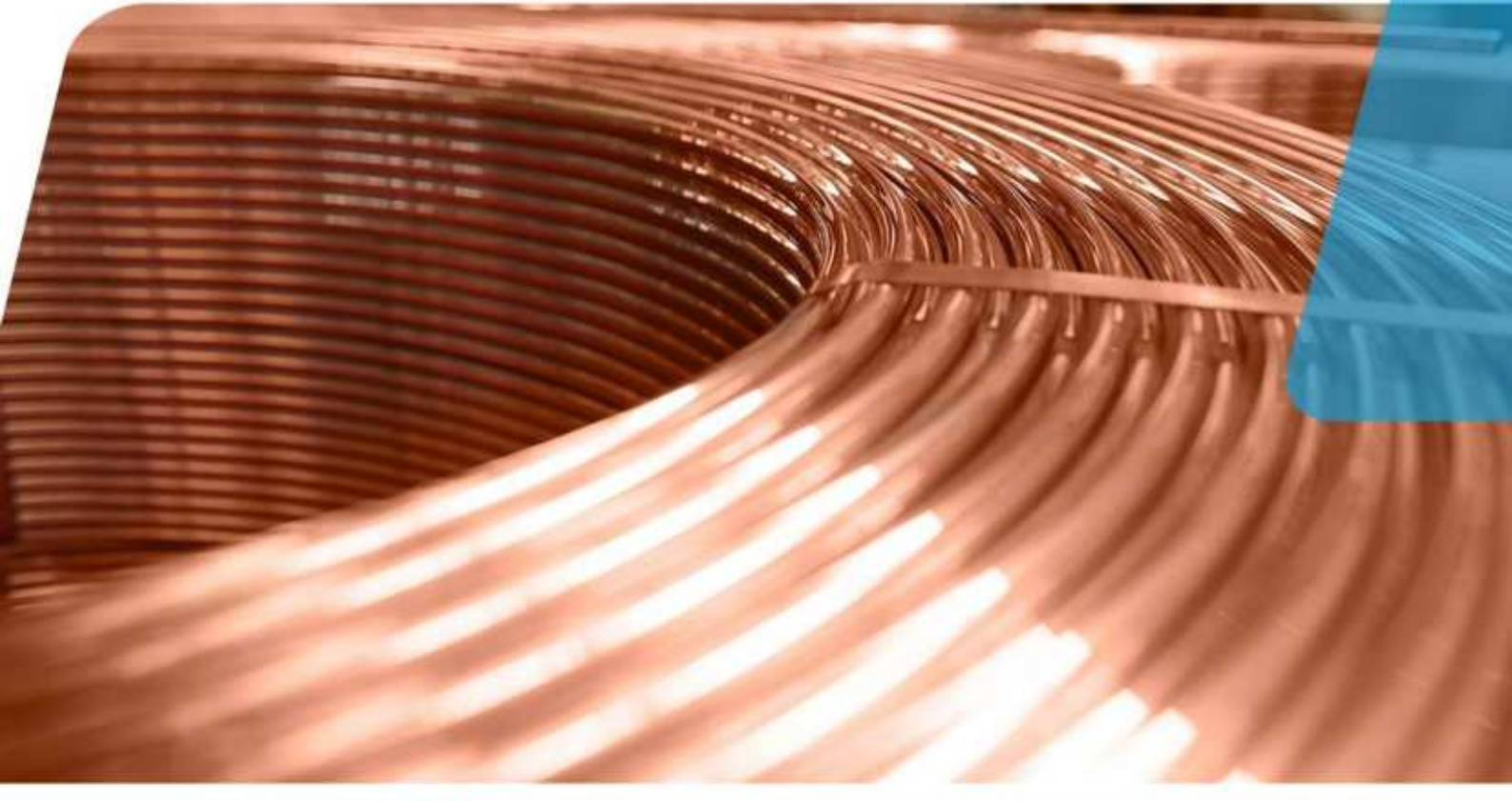
Values are listed, as obtained under standart laboraty conditions and may be amended, without prior notice.

Standart Dimensions according to EN 12735-1

LWC Copper Tubes

Outer Diameter (mm)		Wall thickness (mm)		Nominal copper wight (kg/m)		Coil Weight (kg)	
inch	mm	Min.	Max.	Min.	Max	Min.	Max
3/16	4,76	0,35	0,76	0,045	0,086	90	300
1/4	6,35	0,35	1,00	0,060	0,152	90	300
5/16	7,94	0,35	1,00	0,075	0,031	90	300
3/8	9,35	0,35	1,00	0,090	0,237	90	300
-	10	0,35	1,00	0,096	0,256	90	300
-	12	0,35	1,00	0,116	0,313	90	300
1/2	12,70	0,35	1,00	0,123	0,333	90	300
-	15	0,40	1,00	0,166	0,398	90	300
5/8	15,88	0,40	1,00	0,176	0,423	90	300
-	16	0,50	1,00	0,220	0,450	90	300
-	18	0,60	1,00	0,297	0,483	90	300
3/4	19,05	0,60	1,00	0,315	0,513	90	300

*The values of the maximum allowable pressure refer to the meterial condition r200 a safety factor of 3.0 used. The minus tolerance of the wall thickness is considered. No further processing is taken into account. For temperature up to 100°C



BRISCOOL
PANCAKE COPPER TUBES

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.

Technical Specs of Copper Tubes

Chemical Composition
%99,9 Cu-Dhp

Conformity
EN-12735-1 , ASTM B280

Specific Heat (at 20°C)
0,0921cal/g°C

Standards
ASTM B280
EN 12735-1

Stretch Modulus(at 20°C annealed)
12000kg/mm²

Thermal Conductivity(at 20°C)
0.70-0,87 cal/cm²

Elongation A%
A% min=45%

Internal Surface
Glossy, pertectly clean conforming
ASTM B-280 and EN12735-1 legislation

Technical Properties of Pancake Tubes

Material
99.9% Cu and P = 0.015 - 0.040%

Temper
Light Annealed (050)
Soft Annealed (060)
also can be produced as
hard drawn temper

Standards
ASTM B280
EN 12735-1

Values are listed, as obtained under standart laboraty conditions and may be amended, without prior notice.

Standart Dimensions according to EN 12735-1

Pancake Tube Product Range

Outer Diameter (mm)		Wall Thickness (mm)	Nominal Copper Weight (kg/m)	Coil Lenght (m)
inch	mm			
1/4	6,35	0,70	0,113	15-50
1/4	6,35	0,80	0,126	15-50
5/16	7,94	0,70	0,144	15-50
3/8	9,35	0,70	0,172	15-50
3/8	9,35	0,80	0,195	15-50
1/2	12,70	0,70	0,239	15-50
1/2	12,70	0,80	0,271	15-50
5/8	15,88	0,80	0,343	15-50
5/8	15,88	1,00	0,423	15-50
3/4	19,05	0,80	0,415	15-50
3/4	19,05	1,00	0,513	15-50

BRISCOOL COPPER FITTINGS
ELBOW-P TRAP-COUPLING-TEE

1 COPPER ELBOW

- COPPER ELBOW (06 MM) 1/4
- COPPER ELBOW (08 MM) 5/16
- COPPER ELBOW (10 MM) 3/8
- COPPER ELBOW (12 MM) 1/2
- COPPER ELBOW (16 MM) 5/8
- COPPER ELBOW (18-19 MM) 3/4
- COPPER ELBOW (22 MM) 7/8
- COPPER ELBOW (25 MM) 1
- COPPER ELBOW (28 MM) 1-1/8
- COPPER ELBOW (35 MM) 1-3/8
- COPPER ELBOW (42 MM) 1-5/8
- COPPER ELBOW (54 MM) 2-1/8
- COPPER ELBOW (22 MM) 7/8 (LONG)
- COPPER ELBOW (28 MM) 1-1/8 (LONG)
- COPPER ELBOW 45 DEGREES (22 MM) 7/8
- COPPER ELBOW 45 DEGREES (28 MM) 1-1/8
- COPPER ELBOW 45 DEGREES (35 MM) 1-3/8
- COPPER ELBOW 45 DEGREES (42 MM) 1-5/8

2 COPPER P TRAP

- COPPER P–TRAP (16 MM) 5/8
- COPPER P–TRAP (18-19 MM) 3/4
- COPPER P–TRAP (22 MM) 7/8
- COPPER P–TRAP (28 MM) 1-1/8
- COPPER P–TRAP (35 MM) 1-3/8
- COPPER P–TRAP (42 MM) 1-5/8

3 COPPER COUPLING

- COPPER COUPLING (06 MM) 1/4
- COPPER COUPLING (10 MM) 3/8
- COPPER COUPLING (12 MM) 1/2
- COPPER COUPLING (16 MM) 5/8
- COPPER COUPLING (18-19 MM) 3/4
- COPPER COUPLING (22 MM) 7/8
- COPPER COUPLING (25 MM) 1
- COPPER COUPLING (28 MM) 1-1/8
- COPPER COUPLING (35 MM) 1-3/8
- COPPER COUPLING(42 MM) 1-5/8
- COPPER COUPLING (54 MM) 2-1/8

4 COPPER T

- COPPER T (06 MM) 1/4
- COPPER T (10 MM) 3/8
- COPPER T (12 MM) 1/2
- COPPER T (16 MM) 5/8
- COPPER T (18-19 MM) 3/4
- COPPER T (22 MM) 7/8
- COPPER T (28 MM) 1-1/8
- COPPER T (35 MM) 1-3/8
- COPPER T (42 MM) 1-5/8
- COPPER T (54 MM) 2-1/8

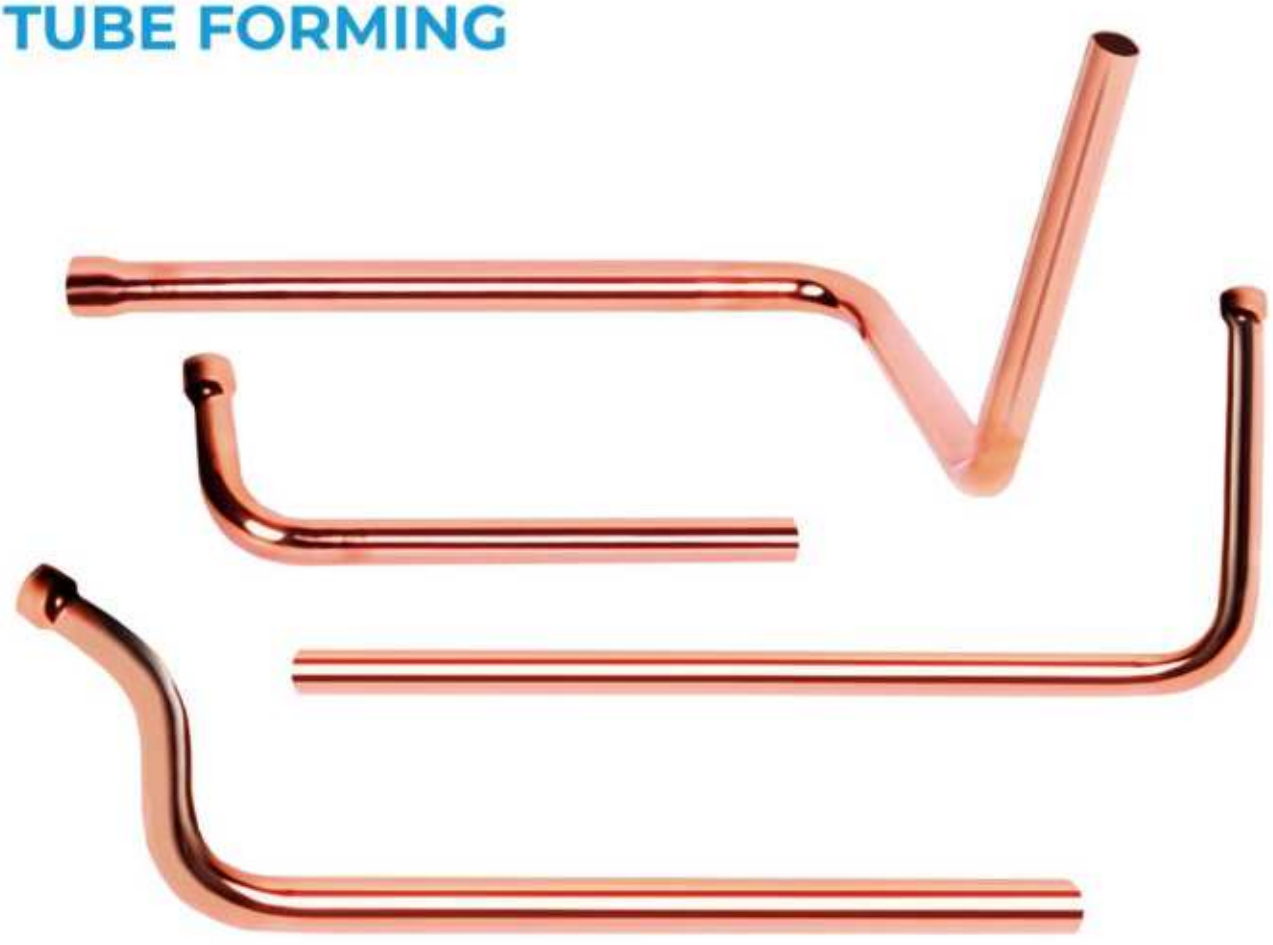
BRISCOOL
TUBE FORMING

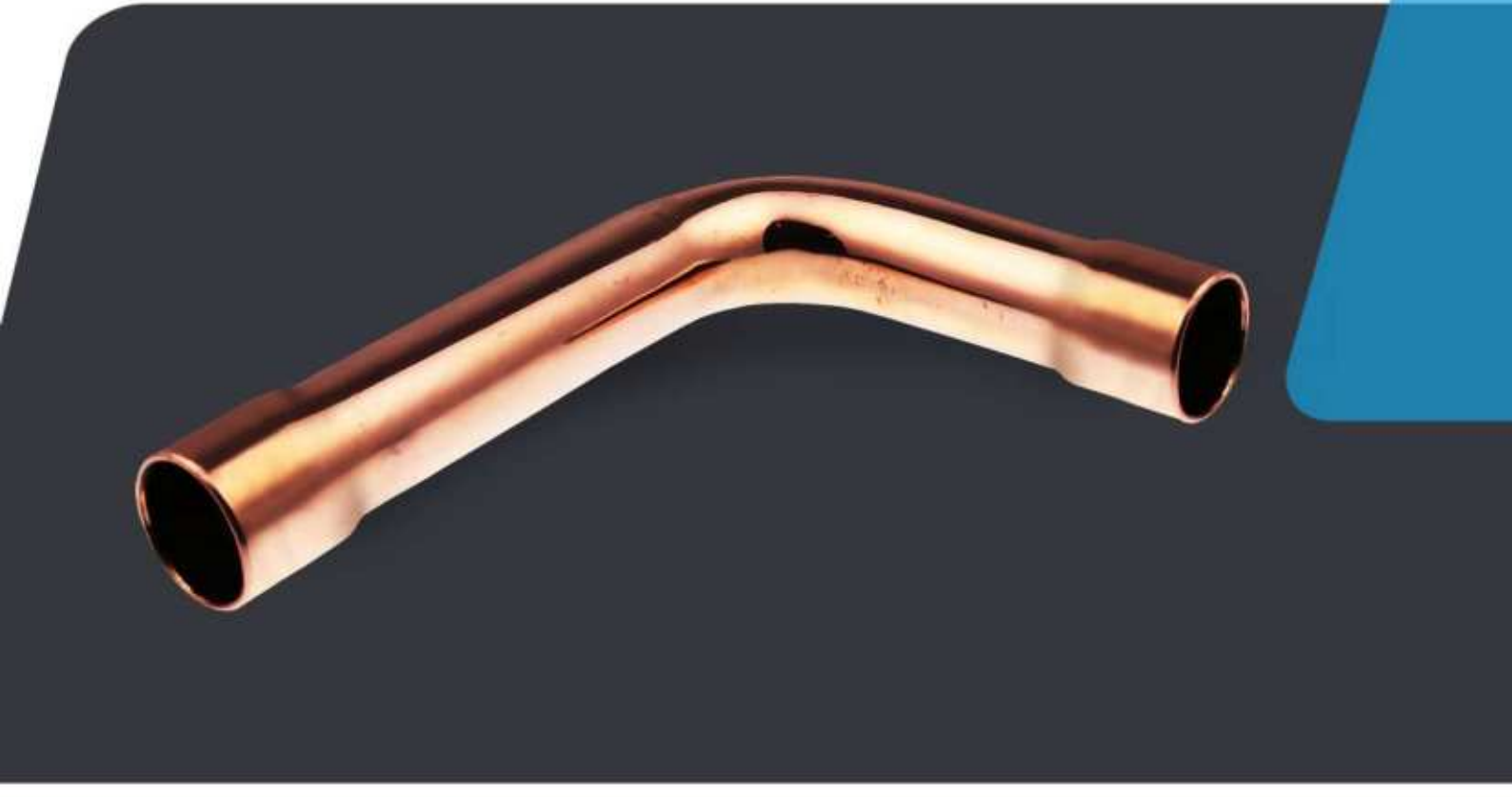
Briscool has been serving this sector since 1986. This know how has led Briscool to manufacture tube started tube forming manufacturing with fully automatic machines manufactured by its own technology.

This engineering skill is reflected to its customers as a competitive service. Briscool, which has a very advanced machine park today, produces pipe forming in a wide range of pipe types and sizes. Pipe forming is a matter of specialization in our company. Our factory in Niğde serves Pipe Forming requests.

Briscool shapes Copper, Aluminum and Stainless Steel Tubes in a wide range diameter range from 2 mm to 32 mm, blows out and welds the elements necessary for use with cold soldering welding or induction machines. In accordance with the requirement, these pipes are subjected to 100% gauge control and flow and leak test.

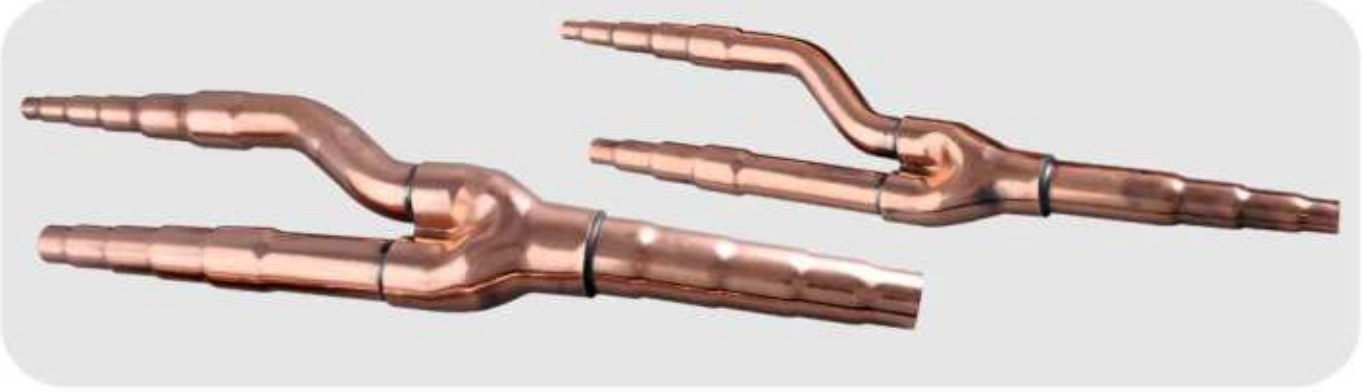
BRISCOOL
TUBE FORMING





BRISCOOL
BRANCH PIPES

Joints have become very common with VRF air conditioning systems. Joints are needed when more than one place needs to be cooled or heated at the same time. The main purpose is to separate or combine the refrigerant. Joints are used in copper pipe installations when separating the refrigerant coming from a single line into two lines or reducing the fluid coming from two lines into a single line. Briscool joints conforms to TS EN 1254-1 standards



Technical Properties of Branch Pipe

Model	mm/inch	A			B				C			
DIS-22-1	mm	12.7 / 15.9 / 19.1			19.1/12.7/9.6				19.1 / 12.7 / 9.6			
	inch	1/2	5/8	3/4	3/4	1/2		3/8	3/4	1/2		3/8
DIS-180-1	mm	15.9/19.1/22.2			19.1/15.9/12.7/19.6				19.1 / 15.9 / 12.7 / 9.6			
	inch	5/8	3/4	7/8	3/4	5/8	1/2	3/8	3/4	5/8	1/2	3/8
DIS-371-1	mm	25.4/28.6/31.8			25.4/22.2/19.1				25.4 / 22.2 / 19.1			
	inch	1	1 - 1/8	1 - 1/4	1	7/8		3/4	1	7/8		3/4
DIS-540-1	mm	28.6 / 31.8 / 38.1			31.8/28.6/25.4/19.1				31.8 / 28.6 / 25.4 / 19.1			
	inch	1 - 1/8	1 - 1/4	1 - 1/2	1 - 1/4	1 - 1/8	1	3/4	1 - 1/4	1 - 1/8	1	3/4

Values are listed, as obtained under standart laboraty conditions and may be amended, without prior notice.

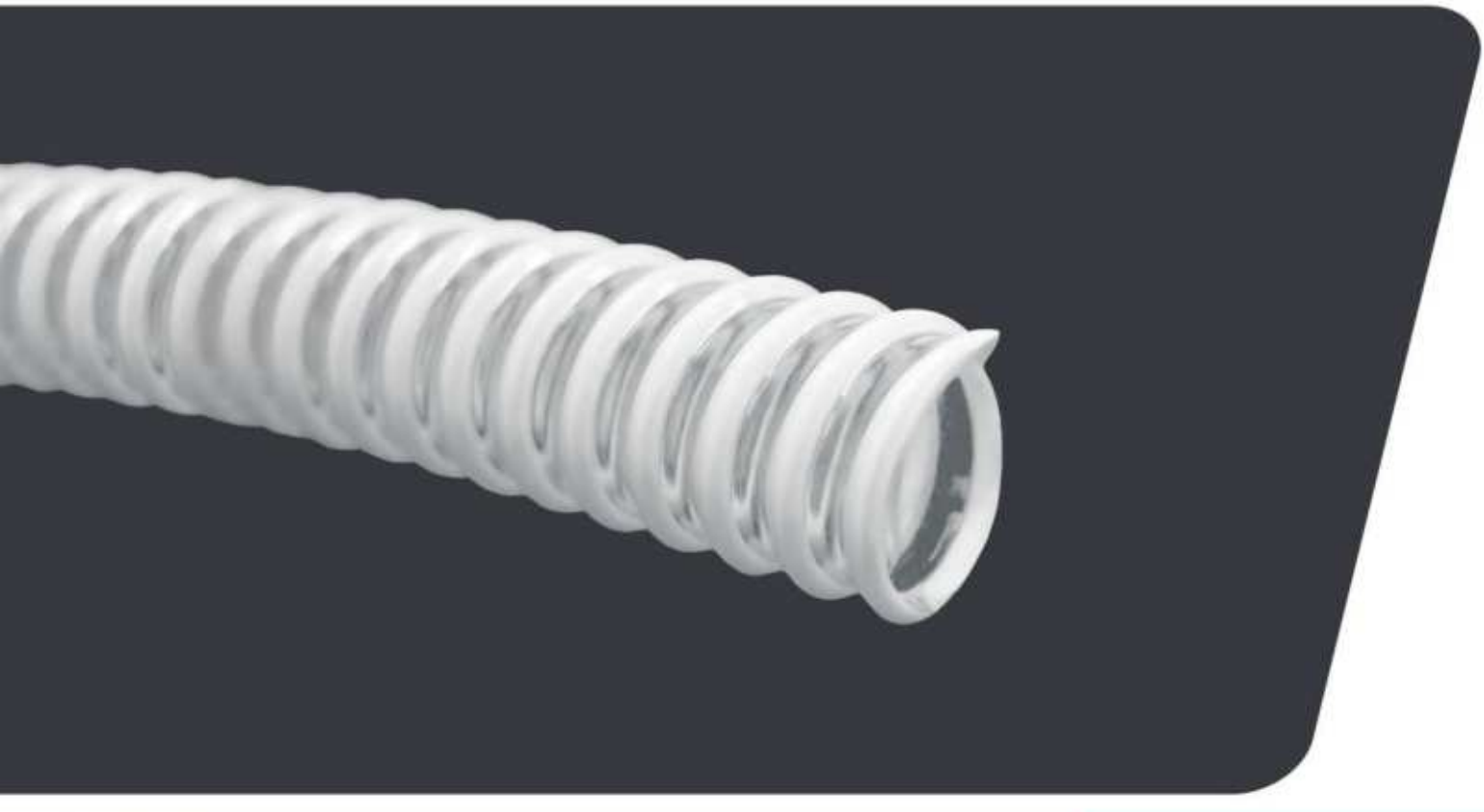
BRISCOOL
CLIMA BRACKETS

Air conditioner brackets are metal frames needed to enable wall or window mounting of air conditioning units. These brackets are very important for bearing the weight of air conditioning units. Together with the brackets, air conditioning units do not take up extra space in workplaces and homes and save you from the noise that will occur. In addition, the units placed outside provide better air circulation. Briscool air conditioner brackets are made of strong metals such as stainless steel and are built to withstand the weight of the air conditioner. These brackets are available in screwed or welded versions.

Size	Type	Thickness
400 * 400	Welded	2.0 MM
400 * 400	Screwed	2.0 MM
500 * 500	Welded	2.0 MM
500 * 500	Screwed	2.0 MM
600 * 600	Welded	2.0 MM

BRISCOOL
DRAIN HOSES

Air conditioners cool the air in rooms and spaces with refrigerant gases. Condensation occurs due to the collision of hot and cold air with the gas circulating in the copper pipe network. The moisture and water formed as a result of these condensations must be successfully removed from the air conditioner. Otherwise, this water will be trapped in the air conditioning system and damage the system. Drainage hoses also respond to this need. Thanks to the drainage hoses, the water formed is safely discharged. In high-rise buildings and offices, drainage hose installation is important for the correct discharge of water. Otherwise, the accumulated water will accumulate moisture in the installation system and air conditioner and cause rot. Briscool drain hoses conforms to TS 9128 and DIN 1187 standards and are manufactured in according to EU building materials regulation (305/2011/EU).



BİR KABLO

DİRENÇ KABLO

BIRKABLO always aims at competitive prices and best quality at home and abroad. With its 15 branches in Turkey, more than 300 employees and dynamic and experienced staff, it aims to provide the best service to our valued customers as soon as possible. With its strong export infrastructure and experience, it provides your needs in the best way.

BİRKABLO
H05VV-F ELECTRIC CABLES (TTR)

Number of Cores	Core Colors
2	
3	
4	
5	

1-Fine-stranded Cu-conductor

2-(PVC) insulation

3-(PVC) outer sheath

Insulated Harmonized Wires

Construction

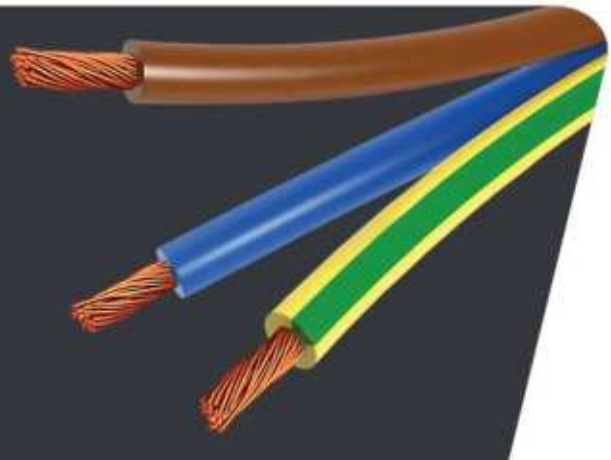
Multicore flexible cables with fine stranded copper conductors, (PVC) insulation and (PVC) sheath.

Technical Data

These cables are produced according to above standards.
- Permissible operating temperature: 70 °C
- Color of outer sheath: White and black

Applications

Used in covered and dry places where the mechanical stresses exist, on household appliances, in damp and steamed areas.



Rated Cross-section	Cu Factor	Overall Diameter of Cable (Approx.)	Net Weight (Approx.)	Conductor DC Resistance at 20°C	Current Carrying Capacity	Delivery Length (Approx.)
mm2	*1000 m*	*mm*	*kg/km*	*Ω/km*	*A*	*m*
2 x 0,75	14	5,9	51	26,0	6	100
2 x 1,00	19	6,3	59	19,5	10	100
2 x 1,50	29	7,2	80	13,3	16	100
2 x 2,50	48	8,9	124	7,98	25	100
2 x 4,00	77	10,1	170	4,95	32	100
3 x 0,75	22	6,3	60	26,0	6	100
3 x 1,00	30	6,7	71	19,5	10	100
3 x 1,50	43	7,9	100	13,3	16	100
3 x 2,50	72	9,6	155	7,98	25	100
3 x 4,00	115	10,9	215	4,95	32	100
4 x 0,75	29	6,8	73	26,0	6	100
4 x 1,00	38	7,5	89	19,5	10	100
4 x 1,50	58	8,8	126	13,3	16	100
4 x 2,50	96	10,5	189	7,98	20	100
4 x 4,00	154	11,9	264	4,95	32	100
5 x 0,75	36	7,7	92	26,0	10,5	100
5 x 1,00	48	8,2	108	18,5	12	100
5 x 1,50	72	9,8	158	13,3	13,5	100
5 x 2,50	120	11,7	240	7,98	19,5	100
5 x 4,00	192	13,5	336	4,95	32	100

BİRKABLO
SIGNAL CABLES

LIYCY

1-Stranded multiwire copper conductor

2-Coloured PVC insulation

3-Polyester tape

4-Braided tinned copper wire screen (min. 50% coverage)

5-PVC sheath (Grey and Black)

SHIELDED (LIYCY)

Construction

Multiple wire copper conductor, PVC insulated, core or pair stranded, retaining and protective feature polyester tape covered (optional), with braided tinned copper wire screen (min. 50% covering), outer sheath thickness according to TS 13755, gray colored PVC outer sheathed signal and control cables.
Temp. for stationary condition : -30 °C, +70 °C
Temp. for moving condition : -5 °C, +50 °C
These cables are used indoors as data transmission cables in automation
systems and in the electronic control systems.

LIYCY SIGNAL CABLE	
2 CORES	**3 CORES**
2 X 0,50	3 X 0,50
2 X 0,75	3 X 0,75
2 X 1,00	3 X 1,00
2 X 1,50	3 X 1,50

BİRKABLO
SIGNAL CABLES

LIHCH

1-Stranded multiwire copper conductor

2-Coloured LSOH insulation

3-Polyester tape

4-Braided tinned copper wire screen (min. 50% coverage)

5-Grey LSOH sheath

HFFR (LIHCH) - HALOGEN FREE

Construction

The cable consists of stranded multiwire copper conductors and LSOH insulation. The cable core consists of insulated conductors or pairs laid up in layers and a polyester tape is wrapped and a tinned copper braid (min. 50% coverage) is applied over the core. Then a grey LSOH sheath is applied on the screened cable core. Then a grey LSOH sheath is applied on the screened cable core. Outer sheath thickness according to ÜBM-03-BK-022.

Temp. for stationary condition : -30 °C, +70 °C
Temp. for moving condition : -5 °C, +50 °C

These cables are used indoors as data transmission cables in automation systems and in the electronic control systems.

HFFR (LIHCH) SIGNAL CABLE
LIHCH 2*1,00 SIGNAL CABLE
LIHCH 2*1,50 SIGNAL CABLE

BİRKABLO

H05V-U/H07V-U/H07V-R CABLES (NYA)

H05V-U (NYA) 300/500 V TS EN 50525-2-31
H07V-U (NYA) 450/750 V TS EN 50525-2-31
H07V-R (NYA) 450/750 V TS EN 50525-2-31

1- Fine-stranded Cu-conductor

2- (PVC) insulation

3- (PVC) outer sheath

Insulated Harmonized Wires

Construction

(PVC) insulated wires with solid or stranded copper conductors.

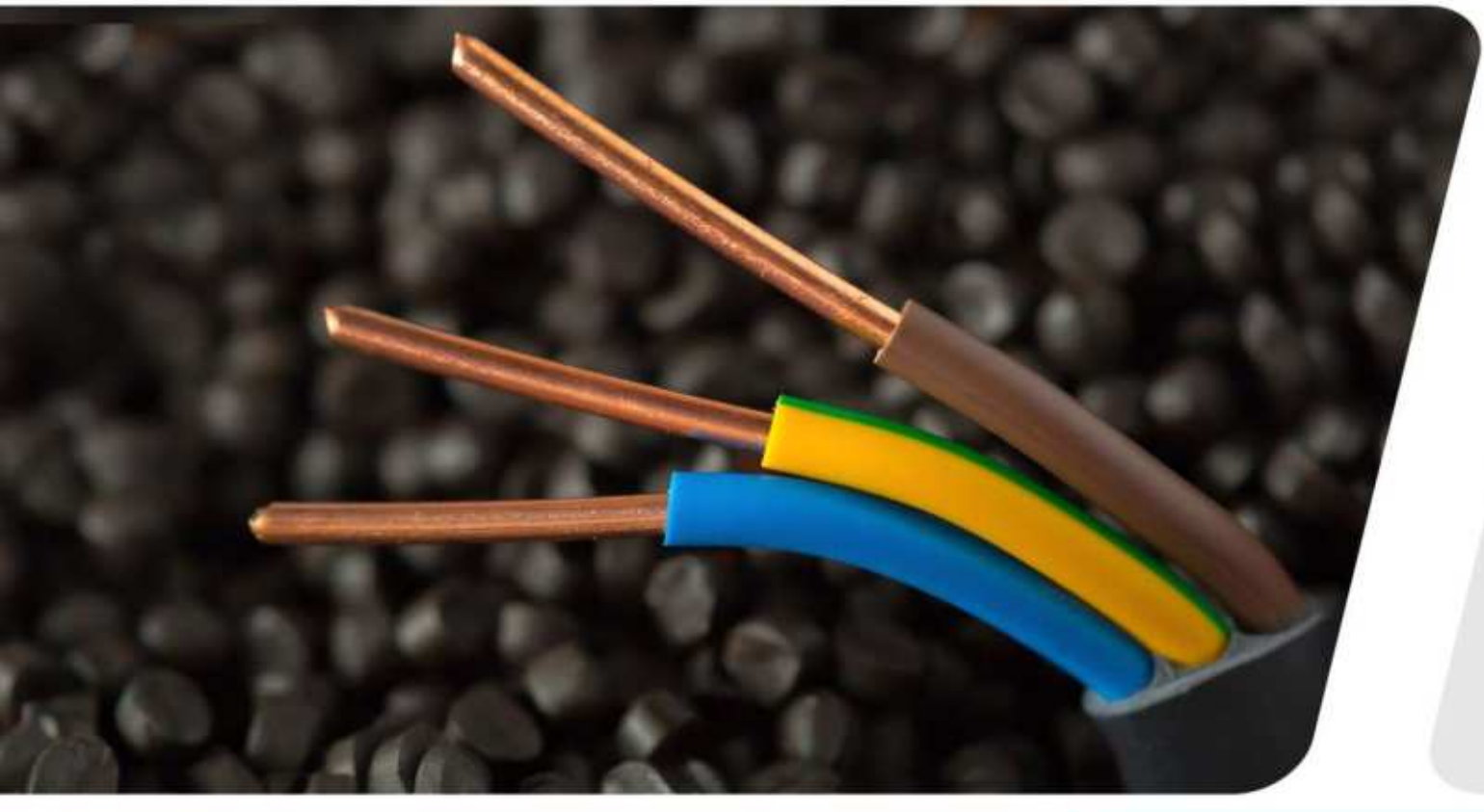
Technical Data

These cables are produced according to above standards as single core. - Permissible operating temperature: 70 °C

Applications

Used in covered, dry places, in fixed plants, in distribution panels, on and under plaster as laid in conduit or on insulating support.

NYA (H07V-U) SINGLE CABLE
NYA 1,50 MM2 SINGLE CABLE
NYA 2,50 MM2 SINGLE CABLE



BİRKABLO

H05V-K/H07V-K CABLES (NYAF)

H05V-U (NYA) 300/500 V TS EN 50525-2-31
H07V-U (NYA) 450/750 V TS EN 50525-2-31

1- Fine-stranded Cu-conductor

2- (PVC) insulation

HFFR (LIHCH) - Halogen Free

Construction

Multicore flexible cables with fine stranded copper conductors, (PVC) insulation and (PVC) sheath.

Technical Data

These cables are produced according to above standards.
- Permissible operating temperature: 70 °C
- Color of outer sheath: White and black

Applications

Used in covered and dry places where the mechanical stresses exist, on household appliances, in damp and steamed areas.

NYAF (H05V-K , H07V-K) CABLE
NYAF 0,50 MM2 CABLE
NYAF 0,75 MM2 CABLE
NYAF 1,00 MM2 CABLE
NYAF 1,50 MM2 CABLE
NYAF 2,50 MM2 CABLE
NYAF 4,00 MM2 CABLE

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