

FOR A SIMPLE AND DURABLE CONNECTION

# Tubolit<sup>®</sup> Split & DuoSplit

The pre-insulated copper pipes for connecting air-conditioning units easily and durably

- // Easy to install – patented join split adhesive technology
- // Coated for protection – UV resistant
- // Manufactured with Tubolit – Closed-cell insulation for excellent condensation control

[www.armacell.co.uk](http://www.armacell.co.uk)



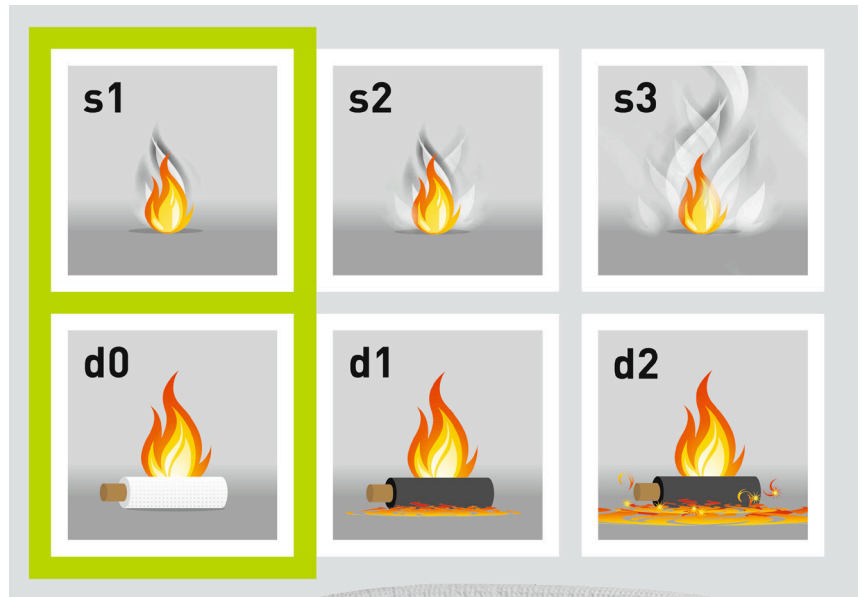
**armacell<sup>®</sup>**

MAKING A DIFFERENCE AROUND THE WORLD

# LOW SMOKE DENSITY

In the event of a fire it is vital that those trapped find escape routes quickly. This is only possible with minimal smoke development.

Tubolit Split and Tubolit DuoSplit achieve class BL-s1,d0 in the European fire test. In a fire the pipe insulation develops significantly less smoke than traditional PE products and has been proven to contribute to people's safety in buildings.



## SUSTAINABLE SPACE-SAVING: THE NEW TOWERPACK

Sustainable packaging reduces the environmental impact and ecological footprint. The new, transport- and storage-friendly packaging takes up 40 % less space than traditional boxes. To ensure that the coils can be transported safely they are secured with straps and wrapped in a tough foil.

## ACCESSORIES

We also offer a comprehensive range of accessories for installing air-conditioning systems.



TECHNICAL DATA - TUBOLIT SPLIT & DUOSPLIT

Brief description	Tubolit Split/DuoSplit is a reliable pre-insulated system solution to connect the indoor and outdoor units of split and multi-split air-conditioning systems. The system consists of copper pipe(s), insulation material, a UV-resistant facing and matching accessories.
Material type	Insulation: foam material based on polyethylene. Pipes: soft-annealed, seamlessly drawn refrigeration copper according to EN-12735-1. Facing: polyolefin-copolymer coating.
Colour	White.
Material special information	Insulation material is original Tubolit closed-cell insulation.
Applications	Split and multi-split air-conditioning systems and cooling counters.
Special features	Durable solution, resistant against mechanical strain and UV radiation. Suitable for refrigeration gases R-410A , R-407C and R32.
Assembly	No special tools required. Matching accessories to facilitate assembly. Insulation should remain uncut along the complete applied length and glued to the pipe at both ends. It is recommended that the insulation tube ends are additionally protected with tape.
Remarks	Certificate of Conformity with EN 12735-1for TubolitSplit&DuoSplit copper pipes available on request.

Property	Value/Assessment					Test* <sup>1</sup>	Supervision* <sup>2</sup>	Special Remark
Temperature Range								
Temperature Range	max. service temperature		+ 105 °C				°	Tested acc. to EN 14706, EN 14707 and EN 14304,
	min. service temperature <sup>1</sup>		- 50 °C					
Thermal Conductivity								
Thermal Conductivity	ϑm λ ≤	0 0,036	°C W/m · K)	[36 + 0,1· ϑm + 0,0008 · ϑm²]/1000			°	Declared acc. to EN ISO 13787, Tested acc. to EN ISO 8497,
Water vapour diffusion resistance								
Water vapour diffusion resistance	Only for non-slit insulation and coating:			μ	≥	5.000	°	Tested according to EN 13469
Fire performance								
Reaction to fire	Euroclass		B <sub>L</sub> -s <sub>1</sub> ,d <sub>0</sub>			EU 5871	°	Classified acc. to EN 13501-1 Tested according to EN 13823, EN ISO 11925-2
Other technical features								
Dimensions and tolerances	In accordance with EN 14313, table 1 and 2						°	Tested acc. to EN 13467
UV resistance	Very Good					TB 142, D 5795	°	Tested according to EN ISO 4892-2 (Xenon-test)
Pipe size and pressure rating								
Pipe size and pressure rating	1/4" x 0.7 mm	136 bar						
	1/4" x 0.8 mm	159 bar	6 x 0.8 mm			169 bar		
	1/4" x 1.0 mm	206 bar	6 x 1.0 mm			220 bar		
	3/8" x 0.7 mm	87 bar						
	3/8" x 0.8 mm	101 bar	10 x 0.8 mm			96 bar		
	3/8" x 1.0 mm	129 bar	10 x 1.0 mm			122 bar		
	1/2" x 0.7 mm	64 bar						
	1/2" x 0.8 mm	74 bar	12 x 0.8 mm			79 bar		
	1/2" x 1.0 mm	94 bar	12 x 1.0 mm			100 bar		
	5/8" x 0.8 mm	58 bar						
	5/8" x 1.0 mm	74 bar	16 x 1.0 mm			73 bar		
	3/4" x 1.0 mm	61 bar	18 x 1.0 mm			65 bar		
	7/8" x 1.0 mm	52 bar	22 x 1.0 mm			52 bar		

1. For temperatures below 0 °C please contact our Customer Service Center to request for the corresponding technical information.

\*1 Further documents such as test certificates, approvals and the like can be requested using the registration number given.

\*2 •: Official supervision by independent institutes and /or test authorities

°: Own in-factory quality monitoring

All data and technical information are based on results achieved under typical application conditions. Recipients of this information should, in their own interest and responsibility, clarify with us in due time whether or not the data and information apply to the intended application area. Installation instructions are available in our Armaflex installation manual. Armaflex 520 or Armaflex HT 625 Adhesive must be used to guarantee proper installation.



TUBOLIT SPLIT PIPES PRE-INSULATED ENDLESS (METRIC)

Color light grey, Two preinsulated copper pipes according to EN 12735, insulation material additionally covered with an embossed white polyolefin coating.

Code	Pipe diameter [mm]	Pipe wall thickness [mm]	Outer-Ø [mm] of insulation	Roll length [m]	Insulation thickness [mm]	Rolls/carton	m/carton
SMC-061/E25	6	1	24	25	9,0	2	50
SMC-101/E25	10	1	28	25	9,0	2	50
SMC-121/E25	12	1	30	25	9,0	2	50
SMC-161/E25	16	1	34	25	9,0	1	25
SMC-181/E25	18	1	36	25	9,0	1	25
SMC-221/E25	22	1	40	25	9,0	1	25

Remark: Price line of the month is subject to change based on average LME (\$/t) and exchange rate (€/€) of the previous month.

TUBOLIT SPLIT PIPES PRE-INSULATED ENDLESS (INCH)

Code	Pipe diameter [inch]	Pipe diameter [mm]	Pipe wall thickness [mm]	Outer-Ø [mm] of insulation	Roll length [m]	Insulation thickness [mm]	Rolls/carton	m/carton
SZC-068/E25	1/4	6.35	0.8	24	25	9,0	2	50
SZC-068/E50	1/4	6.35	0.8	24	50	9,0	1	50
SZC-108/E25	3/8	9.52	0.8	28	25	9,0	2	50
SZC-108/E50	3/8	9.52	0.8	28	50	9,0	1	50
SZC-128/E25	1/2	12.7	0.8	30	25	9,0	2	50
SZC-128/E50	1/2	12.7	0.8	30	50	9,0	1	50
SZC-161/E25	5/8	15.875	1	34	25	9,0	1	25
SZC-168/E25	5/8	15.875	0.8	34	25	9,0	1	25
SZC-191/E25	3/4	19.05	1	37	25	9,0	1	25
SZC-221/E25	7/8	22.22	1	40	25	9,0	1	25

Remark: Price line of the month is subject to change based on average LME (\$/t) and exchange rate (€/€) of the previous month.

TUBOLIT SPLIT PIPES PRE-INSULATED ENDLESS (INCH)

Color grey, Covering Color white.

Code	Pipe diameter [inch]	Pipe diameter [mm]	Pipe wall thickness [mm]	Outer-Ø [mm] of insulation	Roll length [m]	Insulation thickness [mm]	Rolls/tower	m/tower
SZ-061/E50	1/4	6.35	1	24	50	9	16	800
SZ-067/E25	1/4	6.35	0.7	18	25	6	30	750
SZ-067/E50	1/4	6.35	0.7	18	50	6	26	1300
SZ-068/E25	1/4	6.35	0.8	24	25	9	30	750
SZ-068/E50	1/4	6.35	0.8	24	50	9	16	800
SZ-101/E50	3/8	9.52	1	28	50	9	13	650
SZ-107/E25	3/8	9.52	0.7	22	25	6	30	750
SZ-107/E50	3/8	9.52	0.7	22	50	6	23	1150
SZ-108/E25	3/8	9.52	0.8	28	25	9	26	650
SZ-108/E50	3/8	9.52	0.8	28	50	9	13	650
SZ-121/E50	1/2	12.7	1	30	50	6	12	600
SZ-127/E25	1/2	12.7	0.7	24	25	6	30	750
SZ-127/E50	1/2	12.7	0.7	24	50	9	18	900
SZ-128/E25	1/2	12.7	0.8	30	25	9	24	600
SZ-128/E50	1/2	12.7	0.8	30	50	9	12	600
SZ-161/E25	5/8	15.875	1	34	25	9	21	525
SZ-168/E25	5/8	15.875	0.8	34	25	9	21	525
SZ-191/E25	3/4	19.05	1	37	25	9	12	300
SZ-221/E25	7/8	22.22	1	40	25	9	11	275

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TUBOLIT DUOSPLIT PIPES PRE-INSULATED ENDLESS (METRIC)

Code	Pipe diameter [mm]	Pipe wall thickness [mm]	Outer-Ø [mm] of insulation	Roll length [m]	Insulation thickness [mm]	Rolls/carton	m/carton
DMC-06101/E25	6/10	1.0 / 1.0	24 / 28	25	9,0	1	25
DMC-06121/E25	6/12	1.0 / 1.0	24 / 30	25	9,0	1	25
DMC-06161/E25	6/16	1.0 / 1.0	24 / 34	25	9,0	1	25
DMC-10161/E25	10/16	1.0 / 1.0	24 / 34	25	9,0	1	25
DMC-10181/E25	10/18	1.0 / 1.0	24 / 36	25	9,0	1	25

Remark: Price line of the month is subject to change based on average LME (\$/t) and exchange rate (€/€) of the previous month.

TUBOLIT DUOSPLIT PIPES PRE-INSULATED ENDLESS (INCH)

Color light grey, Two preinsulated copper pipes according to EN 12735, insulation material additionally covered with an embossed white polyolefin coating.

Code	Pipe diameter [inch]	Pipe diameter [mm]	Pipe wall thickness [mm]	Outer-Ø [mm] of insulation	Roll length [m]	Insulation thickness [mm]	Rolls/carton	m/carton
DZC-061088/E20	1/4 / 3/8	6.35 / 9.525	0.8 / 0.8	24 / 28	20	9,0	1	20
DZC-061088/E25	1/4 / 3/8	6.35 / 9.525	0.8 / 0.8	24 / 28	25	9,0	1	25
DZC-061288/E20	1/4 / 1/2	6.35 / 12.70	0.8 / 0.8	24 / 30	20	9,0	1	20
DZC-061288/E25	1/4 / 1/2	6.35 / 12.70	0.8 / 0.8	24 / 30	25	9,0	1	25
DZC-061681/E25	1/4 / 5/8	6.35 / 15.875	0.8 / 1.0	24 / 34	25	9,0	1	25
DZC-061688/E20	1/4 / 5/8	6.35 / 15.875	0.8 / 0.8	24 / 34	20	9,0	1	20
DZC-061688/E25	1/4 / 5/8	6.35 / 15.875	0.8 / 0.8	24 / 34	25	9,0	1	25
DZC-101681/E25	3/8 / 5/8	9.52 / 15.875	0.8 / 1.0	28 / 34	25	9,0	1	25
DZC-101688/E20	3/8 / 5/8	9.52 / 15.875	0.8 / 0.8	28 / 34	20	9,0	1	20
DZC-101688/E25	3/8 / 5/8	9.52 / 15.875	0.8 / 0.8	28 / 34	25	9,0	1	25
DZC-101981/E20	3/8 / 3/4	9.52 / 19.05	0.8 / 1.0	28 / 37	20	9,0	1	20
DZC-101981/E25	3/8 / 3/4	9.52 / 19.05	0.8 / 1.0	28 / 37	25	9,0	1	25

Remark: Price line of the month is subject to change based on average LME (\$/t) and exchange rate (€/€) of the previous month.

TUBOLIT DUOSPLIT PIPES PRE-INSULATED ENDLESS (INCH)

Color grey, Covering Color white.

Code	Pipe diameter [inch]	Pipe diameter [mm]	Pipe wall thickness [mm]	Outer-Ø [mm] of insulation	Roll length [m]	Insulation thickness [mm]	Rolls/tower	m/tower
DZ-061077/E25	1/4 / 3/8	6.35 / 9.525	0.7 / 0.7	18 / 22	25	6.0 / 6.0	18	450
DZ-061088/E20	1/4 / 3/8	6.35 / 9.525	0.8 / 0.8	24 / 28	20	9.0 / 9.0	14	280
DZ-061088/E25	1/4 / 3/8	6.35 / 9.525	0.8 / 0.8	24 / 28	25	9.0 / 9.0	14	350
DZ-061277/E25	1/4 / 1/2	6.35 / 12.70	0.7 / 0.7	18 / 24	25	6.0 / 6.0	18	450
DZ-061288/E20	1/4 / 1/2	6.35 / 12.70	0.8 / 0.8	24 / 30	20	9.0 / 9.0	13	260
DZ-061288/E25	1/4 / 1/2	6.35 / 15.875	0.8 / 0.8	24 / 30	25	9.0 / 9.0	13	325
DZ-061688/E20	1/4 / 5/8	6.35 / 15.875	0.8 / 0.8	24 / 34	20	9.0 / 9.0	12	240
DZ-061688/E25	1/4 / 5/8	9.52 / 15.875	0.8 / 0.8	24 / 34	25	9.0 / 9.0	9	225
DZ-101678/E25	3/8 / 5/8	9.52 / 15.875	0.7 / 0.8	22 / 34	25	6.0 / 9.0	15	375
DZ-101688/E20	3/8 / 5/8	9.52 / 15.875	0.8 / 0.8	28 / 34	20	9.0 / 9.0	11	220
DZ-101688/E25	3/8 / 5/8	9.52 / 15.875	0.8 / 0.8	28 / 34	25	9.0 / 9.0	9	225
DZ-101981/E20	3/8 / 3/4	9.52 / 19.05	0.8 / 1.0	28 / 37	20	9.0 / 9.0	10	200
DZ-101981/E25	3/8 / 3/4	9.52 / 19.05	0.8 / 1.0	28 / 37	25	9.0 / 9.0	8	200

Remark: Price line of the month is subject to change based on average LME (\$/t) and exchange rate (€/€) of the previous month.

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00494 | Tubolit Split / DuoSplit | TDS | 012021 | EMEA | EN MASTER

## ABOUT ARMACELL

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As the inventors of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal, acoustic and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency making a difference around the world every day. With 3,100 employees and 24 production plants in 16 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for high-tech and lightweight applications and next generation aerogel blanket technology.

For more information, please visit:  
[www.armacell.co.uk](http://www.armacell.co.uk)