



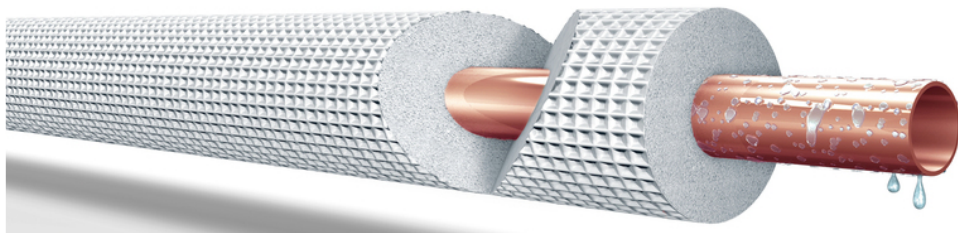
INSTALL IT. BENEFIT FROM
THE RANGE.

Tubolit DuoSplit

Pre-insulated copper pipes with
polyethylene insulation

- // Excellent protection against energy losses and condensation
- // Euroclass B certified – B(L)-s1,d0
- // Suitable for most refrigerant gases
- // Patented join-split adhesive technology to easily split and join the pipes without any tool
- // Easy to connect - complete range with matching accessories

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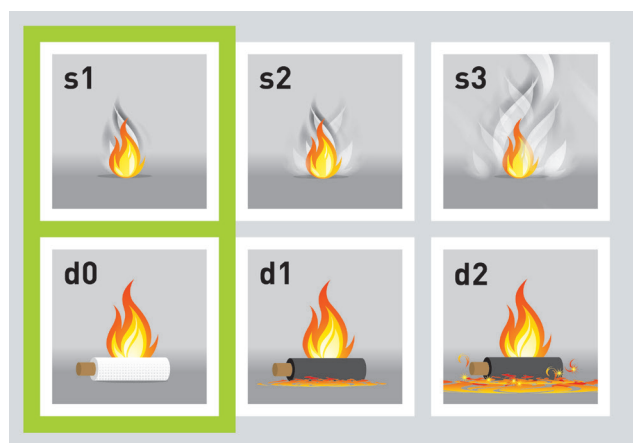
 **armacell**[®]
ArmaLight[™]

INSTALL IT. BENEFIT FROM THE RANGE.

ArmaLight Tubolit Split and DuoSplit

// 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. ArmaLight Tubolit Split and ArmaLight Tubolit DuoSplit achieve class B_L-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 Towerpack

The 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.

TUBOLIT DUOSPLIT INCH SIZES TOWERPACK

Order number	DZ-061077/ E25	DZ-061088/ E25	DZ-061277/ E25	DZ-061288/ E25	DZ-061688/ E25	DZ-101678/ E25	DZ-101688/ E25	DZ-101981/ E25
Copper Tube Size (inch)	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"	1/4" - 1/2"	1/4" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 3/4"
Copper Tube Size (mm)	6.35 x 0.7 & 9.53 x 0.7	6.35 x 0.8 & 9.53 x 0.8	6.35 x 0.7 & 12.7 x 0.7	6.35 x 0.8 & 12.7 x 0.8	6.35 x 0.8 & 15.87 x 0.8	9.53 x 0.7 & 15.87 x 0.8	9.53 x 0.8 & 15.87 x 0.8	9.53 x 0.8 & 19.05 x 1
Insulation Wall Thickness (mm)	6.0 / 6.0	9.0 / 9.0	6.0 / 6.0	9.0 / 9.0	9.0 / 9.0	6.0 / 9.0	9.0 / 9.0	9.0 / 9.0
Outer-Ø Pre-Insulated Pipe (mm)	18 / 22	24 / 28	18 / 25	24 / 30	24 / 34	22 / 34	28 / 34	28 / 37
Coil Length (m)	25	25	25	25	25	25	25	25
Coils per tower	18	14	18	13	9	15	9	8
Length per tower (m)	450	350	450	325	225	375	225	200

TUBOLIT DUOSPLIT METRIC SIZES CARTON

Order number	DMC-06101/ E25	DMC-06121/ E25	DMC-06161/ E25	DMC-10161/ E25	DMC-10181/ E25
Copper Tube Size (mm)	6 x 1 & 10 x 1	6 x 1 & 12 x 1	6 x 1 & 16 x 1	10 x 1 & 16 x 1	10 x 1 & 18 x 1
Insulation Wall Thickness (mm)	9.0 / 9.0	9.0 / 9.0	9.0 / 9.0	9.0 / 9.0	9.0 / 9.0
Outer-Ø Pre-Insulated Pipe (mm)	24 / 28	24 / 30	24 / 34	28 / 34	28 / 36
Coil Length (m)	25	25	25	25	25
Coils per carton	1	1	1	1	1
Length per carton (m)	25	25	25	25	25

TUBOLIT DUOSPLIT INCH SIZES CARTON

Order number	DZC-061088/ E25	DZC-061288/ E25	DZC-061688/ E25	DZC-061681/ E25	DZC-101688/ E25	DZC-101681/ E25	DZC-101981/ E25
Copper Tube Size (inch)	1/4" - 3/8"	1/4" - 1/2"	1/4" - 5/8"	1/4" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 3/4"
Copper Tube Size (mm)	6.35 x 0.8 & 9.53 x 0.8	6.35 x 0.8 & 12.7 x 0.8	6.35 x 0.8 & 15.87 x 0.8	6.35 x 0.8 & 15.87 x 1	9.53 x 0.8 & 15.87 x 0.8	9.53 x 0.8 & 15.87 x 1	9.53 x 0.8 & 19.05 x 1
Insulation Wall Thickness (mm)	9.0 / 9.0	9.0 / 9.0	9.0 / 9.0	9.0 / 9.0	9.0 / 9.0	9.0 / 9.0	9.0 / 9.0
Outer-Ø Pre-Insulated Pipe (mm)	24 / 28	24 / 30	24 / 34	24 / 34	28 / 34	28 / 34	28 / 37
Coil Length (m)	25	25	25	25	25	25	25
Coils per carton	1	1	1	1	1	1	1
Length per carton (m)	25	25	25	25	25	25	25

TECHNICAL DATA - TUBOLIT DUOSPLIT

Brief description	Tubolit DuoSplit is a reliable pre-insulated system solution for connecting the indoor and outdoor air conditioning, refrigeration units of split, multi-split and heat pumps systems. The system consists of copper pipes, insulation material, a UV-resistant facing and matching accessories.
Material type	Foam material based on polyethylene. Polyolefin-copolymer coating. Soft-annealed, seamlessly drawn refrigeration copper pipes according to EN 12735-1.
Additional material information	Insulation material is original Tubolit closed-cell insulation. Durable solution, resistant against mechanical strain and UV radiation. Suitable for refrigeration gases R-410A , R-407C and R32
Product colour range	White
Applications	Split and multi-split air-conditioning systems, heat pumps and cooling counters.
Installation	No special tools required. Matching accessories 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.
Declaration of performance	Declaration of Performance in accordance with Article 7[3] of Regulation (EU) No 305/2011 is available at www.armacell.com/DoP .
Remarks	Certificate of Conformity with EN 12735-1 for Tubolit Split and DuoSplit copper pipes is available on request.

Property	Value / Assessment		Standard / Test method
Temperature range			
Service temperature	Min. °C ¹	Max. °C	EN 14706, EN 14707, EN 14313
	-50	100	
Thermal conductivity			
Declared thermal conductivity	θm	0°C	EN ISO 13787, EN ISO 8497
	λd ≤ [W/(m·K)]	0,036	
	Range	Tubolit DuoSplit insulation tube	
	Formula	[36 + 0,1· θm + 0,0008 · θm²]/1000	
Fire Performance and Approvals			
Reaction to fire	Tubolit DuoSplit insulation tube : B(L)-s1,d0		EN 13501-1, EN 13823, EN ISO 11925-2
Resistance to water vapour			
Water vapour diffusion resistance factor	μ ≥ 5000		EN 13469
Physical attributes			
Dimensions and tolerances	In accordance with EN 14313, table 1 and 2		EN 13467
Weather and UV resistance			
UV resistance	Very Good, TB 142		EN ISO 4892-2
Other technical features			
Maximum operating pressure (bar)	Imperial 1/4" x 0.6 mm 114 bar 1/4" x 0.7 mm 136 bar 1/4" x 0.8 mm 159 bar 1/4" x 1.0 mm 206 bar 3/8" x 0.6 mm 74 bar 3/8" x 0.7 mm 87 bar 3/8" x 0.8 mm 101 bar 3/8" x 1.0 mm 129 bar 1/2" x 0.6 mm 54 bar 1/2" x 0.7 mm 64 bar 1/2" x 0.8 mm 74 bar 1/2" x 1.0 mm 94 bar 5/8" x 0.8 mm 58 bar 5/8" x 1.0 mm 74 bar 3/4" x 1.0 mm 61 bar 7/8" x 1.0 mm 52 bar Metric		

Property	Value / Assessment	Standard / Test method
	6 x 0.8 mm 169 bar	
	6 x 1.0 mm 220 bar	
	10 x 0.8 mm 96 bar	
	10 x 1.0 mm 122 bar	
	12 x 0.8 mm 79 bar	
	12 x 1.0 mm 100 bar	
	16 x 1.0 mm 73 bar	
	18 x 1.0 mm 65 bar	
	22 x 1.0 mm 52 bar	

¹For use in temperatures below 0 °C, please contact our Customer Service Centre.

All data and technical information are based on results achieved under the specific conditions defined according to the testing standards referenced. Despite taking every precaution to ensure that said data and technical information are up to date, Armacell does not make any representation or warranty, express or implied, as to the accuracy, content or completeness of said data and technical information. Armacell also does not assume any liability towards any person resulting from the use of said data or technical information. Armacell reserves the right to revoke, modify or amend this document at any moment. It is the customer's responsibility to verify if the product is suitable for the intended application. The responsibility for professional and correct installation and compliance with relevant building regulations lies with the customer. This document does not constitute nor is part of a legal offer to sell or to contract.

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ArmaLight | Tubolit DuoSplit | Brochure | 012025 | en-GB

ABOUT ARMACELL

As the inventor of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal 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 more than 3,300 employees and 25 production plants in 19 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for acoustic and lightweight applications, recycled PET products, next-generation aerogel technology and passive fire protection systems.



For more information, please visit:
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