

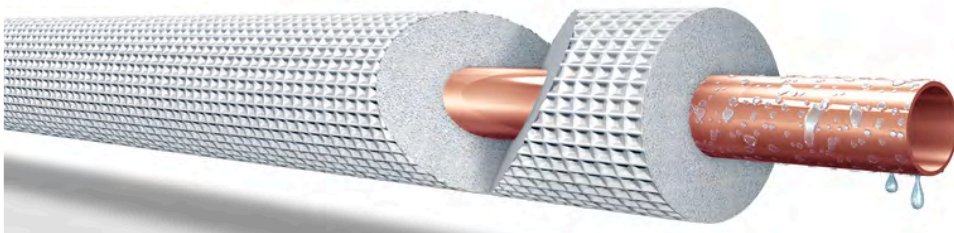


INSTALL IT. BENEFIT FROM  
THE RANGE.

# Tubolit Split

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



 **armacell**<sup>®</sup>  
ArmaLight<sup>™</sup>

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# 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<sub>L</sub>-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.

## TECHNICAL DATA - TUBOLIT SPLIT

Brief description	Tubolit Split is a reliable pre-insulated system solution to connect the indoor and outdoor air conditioning, refrigeration units of split , multi-split and heat pumps systems. The system consists of copper pipe(s), 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. In case of contact adhesion press firmly together during the contact adhesion time. It is recommended that the insulation tube ends are additionally protected with tape. Insulation should remain uncut along the complete applied length and glued to the pipe at both ends.
Declaration of performance	Declaration of Performance in accordance with Article 7(3) of Regulation (EU) No 305/2011 is available at <a href="http://www.armacell.com/DoP">www.armacell.com/DoP</a> .
Remarks	Certificate of Conformity with in heating and plumbing installations available on request.

Property	Value / Assessment	Standard / Test method
<b>Temperature range</b>		
Service temperature	Min. °C <sup>1</sup>	Max. °C
	-50	100
<b>Thermal conductivity</b>		
Declared thermal conductivity	θm	0°C
	λd ≤ [W/(m·K)]	0,036
	Range	Tubolit Split insulation tubes
	Formula	[36 + 0,1 · θm + 0,0008 · θm <sup>2</sup> ]/1000
<b>Fire Performance and Approvals</b>		
Reaction to fire	Tubolit Split insulation tube : B(L)-s1,d0	EN 13501-1, EN 13823, EN ISO 11925-2
<b>Resistance to water vapour</b>		
Water vapour diffusion resistance factor	μ ≥ 5000 (Only for slotted insulation and foils)	EN 13469
<b>Physical attributes</b>		
Dimensions and tolerances	In accordance with EN 14313, table 1 and 2	EN 13467
<b>Weather and UV resistance</b>		
UV resistance	Very Good TB 142	EN ISO 4892-2
<b>Other technical features</b>		
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	

Property	Value / Assessment	Standard / Test method
	Metric 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	

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



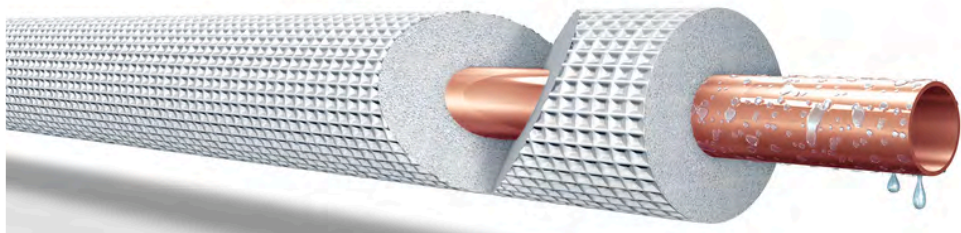


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# Tubolit DuoSplit

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## 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 <a href="http://www.armacell.com/DoP">www.armacell.com/DoP</a> .
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
<b>Temperature range</b>			
Service temperature	Min. °C <sup>1</sup>	Max. °C	EN 14706, EN 14707, EN 14313
	-50	100	
<b>Thermal conductivity</b>			
Declared thermal conductivity	Øm	0°C	EN ISO 13787, EN ISO 8497
	$\lambda d \leq [W/[m \cdot K]]$	0,036	
	Range	Tubolit DuoSplit insulation tube	
	Formula	$[36 + 0,1 \cdot \varnothing m + 0,0008 \cdot \varnothing m^2]/1000$	
<b>Fire Performance and Approvals</b>			
Reaction to fire	Tubolit DuoSplit insulation tube : B(L)-s1,d0		EN 13501-1, EN 13823, EN ISO 11925-2
<b>Resistance to water vapour</b>			
Water vapour diffusion resistance factor	$\mu \geq 5000$ (Only for slotted insulation and foils)		EN 13469
<b>Physical attributes</b>			
Dimensions and tolerances	In accordance with EN 14313, table 1 and 2		EN 13467
<b>Weather and UV resistance</b>			
UV resistance	Very Good, TB 142		EN ISO 4892-2
<b>Other technical features</b>			
Maximum operating pressure (bar)	Imperial		
	1/4" x 0.8 mm 159 bar 1/4" x 1.0 mm 206 bar 3/8" x 0.8 mm 101 bar 3/8" x 1.0 mm 129 bar 1/2" x 1.0 mm 94 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		
	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		

Property	Value / Assessment	Standard / Test method
	18 x 1.0 mm 65 bar 22 x 1.0 mm 52 bar	

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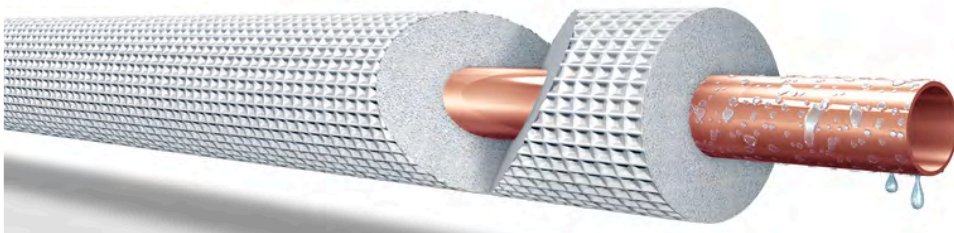
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# Tubolit

## Split & DuoSplit Accessories

A full range of accessories - versatile,  
professional and always just right

- // SAE Flare Fittings
- // Ducts and accessories
- // Covers and connectors
- // Floor supports and wall brackets



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**TECHNICAL DATA - TUBOLIT SPLIT & DUOSPLIT ACCESSORIES**

Brief description	Accessories for Tubolit Split and DuoSplit including: SAE flare fittings, brackets, Split ducts, connection cover, wal covers, tightening clamps
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Property	Value / Assessment	Standard / Test method
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**Other technical features**

Additional remarks	For technical properties please refer to the information displayed at the following pages under each range.
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## Adaptors for walls

Item	Description	EAN	Content [quantity]
SD-CA-60X45	wall adapter 60 x 45 mm	7612207205510	9 piece
SD-CA-80X60	wall adapter 80 x 60 mm	7612207205527	6 piece
SD-CA-110X75	wall adapter 110 x 75 mm	7612207205534	4 piece
<b>Other information</b>			
Reaction to fire	Euroclass E pass - EN ISO 11925-2 UL 94 - V0, V1, V2 vertically pass - EN 60695-11-10 A+B		
Regulation	Armacell adaptors for walls shall not contain materials or substances listed as: - SVHC, Annex XIV, Annex XVII according to REACH (Regulation (EC) Nr. 1907/2006) - POPs according to Regulation (EC) 2019/1021 - RoHS restricted materials according to RoHS directive (2011/65/EU)		
Remarks	Products are typically supplied as sets in cartons.		

## Caps and Covers

Item	Description	EAN	Content [quantity]
SOR-CAP	End cover for flat console 80 x 60 mm	7612207206043	24 piece
<b>Other information</b>			
Reaction to fire	Euroclass E pass - EN ISO 11925-2 UL 94 - V0, V1, V2 vertically pass - EN 60695-11-10 A+B		
Regulation	Armacell Caps and Covers shall not contain materials or substances listed as: - SVHC, Annex XIV, Annex XVII according to REACH (Regulation (EC) Nr. 1907/2006) - POPs according to Regulation (EC) 2019/1021 - RoHS restricted materials according to RoHS directive (2011/65/EU)		
Remarks	Products are typically supplied as sets in cartons.		

## SAE-Flare Fittings

Item	Description	EAN	Content [quantity]
SF-CBZ-06-16	Toolbox sae calibration tool for 1/4" 3/8" 1/2" 5/8"	7612207238327	5 piece
SF-CTZ-006	SAE calibration tool 1/4"	7612207191561	10 piece
SF-CTZ-006160	SAE calibration tool	7612207451733	1 piece
SF-CTZ-010	SAE calibration tool 3/8"	7612207191578	10 piece
SF-CTZ-012	SAE calibration tool 1/2"	7612207191516	10 piece
SF-CTZ-016	SAE calibration tool 5/8"	7612207191585	10 piece
SF-CTZ-019	SAE calibration tool 3/4"	7612207222999	5 piece
SF-FM-006	SAE flare fitting, metric	7612207200553	10 piece
SF-FM-010	SAE flare fitting, metric	7612207200560	10 piece
SF-FM-012	SAE flare fitting, metric	7612207200577	10 piece
SF-FM-016	SAE flare fitting, metric	7612207200584	10 piece
SF-FZ-006V	SAE flare fitting, imperial (inch)	7612207451771	10 piece
SF-FZ-006V2	SAE flare fitting, imperial (inch)	7612207461800	50 piece
SF-FZ-010V	SAE flare fitting, imperial (inch)	7612207451740	10 piece
SF-FZ-010V2	SAE flare fitting, imperial (inch)	7612207461770	50 piece
SF-FZ-012V	SAE flare fitting, imperial (inch)	7612207451757	10 piece
SF-FZ-012V2	SAE flare fitting, imperial (inch)	7612207461787	50 piece
SF-FZ-016V	SAE flare fitting, imperial (inch)	7612207451764	10 piece
SF-FZ-016V2	SAE flare fitting, imperial (inch)	7612207461794	50 piece
SIP540X85	Cover 540 x 85 mm	7612207213300	15 piece

## Covers, spiral hoses, clamps and support rails

Item	Description	EAN	Content [metric]	Content [quantity]
SC-CH-1618/E50	corrugated hose 16 / 18	7612207205763	50 m	
SC-SH-16/E30	spiral hose smooth bore 16	7612207205770	30 m	
SC-SH-18/E30	spiral hose smooth bore 18	7612207205787	30 m	
SC-SH-20/E30	spiral hose smooth bore 20	7612207205794	30 m	
SC-YW-16-18	two-way junction 16 / 18	7612207205800		20 piece
SD-CC-60X45	Connection cover 60 x 45 mm	7612207205541		30 piece
SD-CC-80X60	Connection cover 80 x 60 mm	7612207205558		30 piece
SD-CC-110X75	Connection cover 110 x 75 mm	7612207205565		20 piece
SD-CD-60X45	Duct split 60 x 45 mm - Rigid PVC, UV stabilized, Color RAL P001 (white)	7612207205572	24 m	
SD-CD-80X60	Duct split 80 x 60 mm - Rigid PVC, UV stabilized, Color RAL P001 (white)	7612207205589	16 m	
SD-CD-110X75	Duct split 110 x 75 - Rigid PVC, UV stabilized, Color RAL P001 (white)	7612207205596	8 m	
SD-CE-60X45	End cover 60 x 45 mm	7612207205602		12 piece
SD-CE-80X60	End cover 80 x 60 mm	7612207205619		9 piece
SD-CT-60X45	Tightening clamps 60 x 45 mm	7612207205893		30 piece
SD-CT-80X60	Tightening clamps 80 x 60 mm	7612207205909		30 piece
SD-CT-110X75	Tightening clamps 110 x 75 mm	7612207205916		20 piece
SD-CW-60X45	Wall cover 60 x 45 mm	7612207205923		10 piece
SD-CW-80X60	Wall cover 80 x 60 mm	7612207205930		8 piece
SOR-350	floor support rails 350 mm	7612207206050		24 piece
SOR-450	floor support rails 450 mm	7612207206067		24 piece
SOR-1000	floor support rails 1000 mm	7612207206074		4 piece
<b>Other information</b>				
Reaction to fire	Euroclass E pass - EN ISO 11925-2 UL 94 - V0, V1, V2 vertically pass - EN 60695-11-10 A+B			
Regulation	Armocell covers, spiral hoses, clamps and support rails shall not contain materials or substances listed as - SVHC, Annex XIV, Annex XVII according to REACH (Regulation (EC) Nr. 1907/2006) - POPs according to Regulation (EC) 2019/1021 - RoHS restricted materials according to RoHS directive (2011/65/EU)			
Remarks	Products are typically supplied as sets in cartons.			

## Elbows Bends and T-Pieces made of PVC

Item	Description	EAN	Content [quantity]
SD-CF-60X45	Flat bend 60 x 45 mm	7612207205626	10 piece
SD-CF-80X60	Flat bend 80 x 60 mm	7612207205633	8 piece
SD-CF-110X75	Flat bend 110 x 75 mm	7612207205640	6 piece
SD-CI-60X45	Internal elbow 60 x 45 mm	7612207205817	8 piece
SD-CI-80X60	Internal elbow 80 x 60 mm	7612207205824	6 piece
SD-CI-110X75	Internal elbow 110 x 75 mm	7612207205831	4 piece
SD-CL-60X45	Flexible duct 60 x 45 mm	7612207205848	6 piece
SD-CL-80X60	Flexible duct 80 x 60 mm	7612207205855	4 piece
SD-CP-80X60	T-piece 80 x 60 mm	7612207205862	4 piece



## Elbows Bends and T-Pieces made of PVC

Item	Description	EAN	Content [quantity]
SD-CP-110X75	T-piece 110 x 75 mm	7612207211016	2 piece
SD-CR-80X60	reduction joint 80 x 60 mm	7612207205879	12 piece
SD-CR-110X75	Reduction joint 110x75 mm	7612207205886	8 piece
SD-CX-60X45	External elbow 60 x 45 mm	7612207205947	12 piece
SD-CX-80X60	External elbow 80 x 60 mm	7612207205954	9 piece
SD-CX-110X75	External elbow 110 x 75 mm	7612207205961	6 piece
<b>Other information</b>			
<b>Reaction to fire</b>	Euroclass E pass - EN ISO 11925-2 UL 94 - V0, V1, V2 vertically pass - EN 60695-11-10 A+B		
<b>Regulation</b>	Armacell elbows bends and T-pieces shall not contain materials or substances listed as - SVHC, Annex XIV, Annex XVII according to REACH (Regulation (EC) Nr. 1907/2006) - POPs according to Regulation (EC) 2019/1021 - RoHS restricted materials according to RoHS directive (2011/65/EU)		
<b>Remarks</b>	Products are typically supplied as sets in cartons.		

## Fitting for copper pipes. SAE flare fittings

Item	Description	EAN	Content [quantity]
SF-FZ-006	1/4" - 10 bags per carton	7612207191530	100 piece
SF-FZ-010	3/8" - 10 bags per carton	7612207191592	100 piece
SF-FZ-012	1/2" - 10 bags per carton	7612207191547	100 piece
SF-FZ-016	5/8" - 10 bags per carton	7612207191554	100 piece
SF-FZ-019	3/4" - 10 bags per carton	7612207222982	50 piece
<b>Other information</b>			
<b>Regulation</b>	Corresponds to the new standards and regulations of the CEN for refrigeration installations (EN 378/1 - EN 378/2).		
<b>Remarks</b>	<p>The SAE flare fittings are supplied in small bags of 10 sets, each carton contains 10 bags; one set contains a stiffener sleeve, a compression ferrule and a union nut.</p> <p>No copper sealing necessary - compression ferrule - tight up to 10-7 mbar l/s or &lt; 0.5 g/a Helium for all refrigerants (CFC, HFC, HCFC).</p> <p>Pressure rating  1/4" 100 bar  3/8" 64 bar  1/2" 45 bar  5/8" 45 bar  3/4" 45 bar</p> <p>Subjected to internal testing according to DIN 3859 and by CETIM:  * Reverse-bending strength test: no leakage after 10 million. cycles at 50 Hz under normal pressure  * Helium-leakage detector (gas-tightness): &lt; 0.5 g/year (10-5 mbar/l/s)  * Burst pressure test (4 times nominal pressure): no leakage  * Temperature cycle test (5 cycles at -40 °C to -120 °C at 10 bar He): no leakage CETIM, internal and field test results.</p>		

## Bracket – adjustable, standard

Item	Description	EAN	Content [quantity]
SBAH-800X465	adjustable bracket with safety hook 800 x 465 mm	7612207213263	1 piece
SBAL-800X420	adjustable bracket with level 800 x 420 mm	7612207213249	1 piece
SBAS-700X465	adjustable bracket standard 700 x 465 mm	7612207213256	1 piece
SBAS-800X465	adjustable bracket standard 800 x 465 mm	7612207231601	1 piece
SBHD-550X550	heavy duty bracket 550 x 550 mm - max load 100 + 100 kg	7612207213287	1 piece
SBHD-1000X550	heavy duty bracket 1000 x 550 mm	7612207235241	1 piece