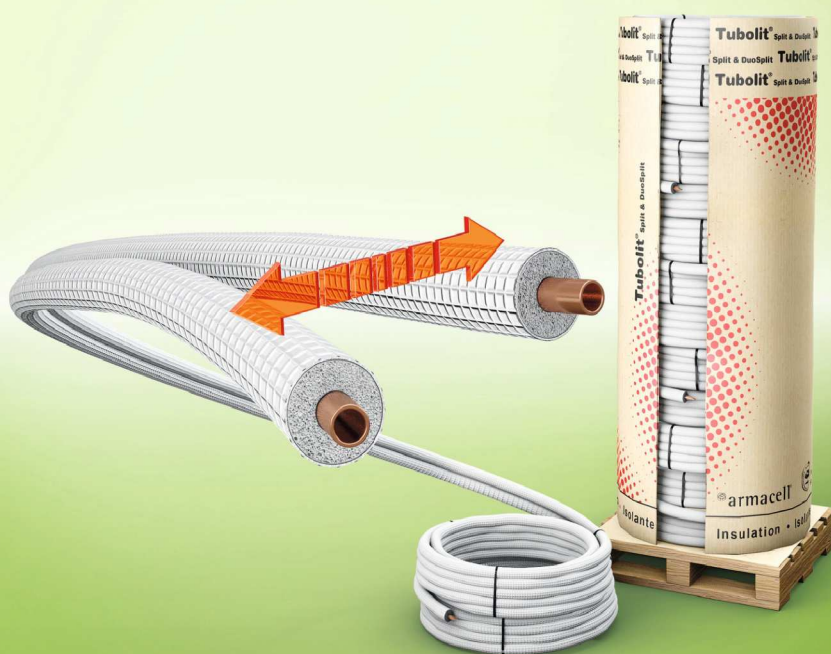


Tubolit®
Split & DuoSplit

THE PRE-INSULATED COPPER PIPES
FOR CONNECTING AIR-CONDITIONING
UNITS EASILY AND DURABLY



- UV-resistant coating
- Easy to split and join
- Complete range of matching accessories

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 and R-407C.
Assembly	No special tools required. Matching accessories to facilitate assembly. Insulation should be kept uncut at the whole applied length and glued to the pipe at both ends. Additional protection of insulation tube ends with tape is recommended.
Remarks	Certificate of Conformity with EN 12735-1 for Tubolit Split & DuoSplit copper pipes available on request

Property	Value/Assessment	Test ^{*1}	Super-vision ^{*2}	Special Remark
Temperature Range				
Temperature Range	max. service temperature + 105 °C		o/●	Tested acc. to EN 14706, EN 14707 and EN 14304
	min. service temperature ¹ - 50 °C			
Thermal Conductivity				
Thermal Conductivity	ϑ _m 0 °C		o/●	Declared acc. to EN ISO 13787 Tested according to EN ISO 8497
	λ ≤ 0,036 W/(m · K) [36 + 0,1· ϑ _m + 0,0008 · ϑ _m ²]/1000			
Water vapour diffusion resistance				
Water vapour diffusion resistance	Only for non-slit insulation and coating: μ ≥ 5.000		o/●	Tested according to EN 13469
Fire performance				
Reaction to fire	Euroclass C _L -s1,d0	EU 5871	o/●	Classified acc. to EN 13501-1 Tested according to EN ISO 11925-2
Other technical features				
Dimensions and tolerances	In accordance with EN 14313, table 1 and 2		o/●	Tested acc. to EN 13467
UV resistance	Very Good	TB 142, D 5795		TTested according to EN ISO 4892-2 (Xenon-test)
Pipe size and pressure rating	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 0.7 mm 87 bar 3/8" x 0.8 mm 101 bar 3/8" x 1.0 mm 129 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 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			

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
o: 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 (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/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	9	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	6	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

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/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/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/E25	1/4 / 1/2	6.35 / 12.70	0.8 / 0.8	24 / 30	25	9.0 / 9.0	13	325
DZ-061688/E25	1/4 / 5/8	6.35 / 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/E25	3/8 / 5/8	9.52 / 15.875	0.8 / 0.8	28 / 34	25	9.0 / 9.0	9	225
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.

Tubolit Split & DuoSplit Accessories SAE flare fittings



SAE flare fittings are especially suitable whenever the installation of refrigeration pipes becomes difficult or impossible (soldering in dangerous atmosphere or when soldering is forbidden). They come with a nut and compression ferrule and can easily be installed using a wrench. The Armacell refrigeration connections fit most thermostatic valves, manometers, dehydrating filters and other components with flare-type joints.

Inch measurements				
Code	inch	Pieces/bag	Pipe wall thickness [mm]	Bag/carton
SF-FZ-006	1/4	10	0.8	10
SF-FZ-010	3/8	10	0.8	10
SF-FZ-012	1/2	10	0.8	10
SF-FZ-016	5/8	10	1.0	10
SF-FZ-019	3/4	5	1.0	10

Remark

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.

Technical properties

No copper sealing necessary - compression ferrule - tight up to 10⁻⁷ mbar l/s or < 0.5 g/a Helium for all refrigerants (CFC, HFC, HCFC).

Pressure rating

1/4" 100 bar

3/8" 64 bar

1/2" 45 bar

5/8" 45 bar

3/4" 45 bar

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): < 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.

Regulations

Corresponds to the new standards and regulations of the CEN for refrigeration installations (EN 378/1 - EN 378/2).

Tubolit Split & DuoSplit Accessories SAE calibration tool



Calibration tools to match SAE flare fittings

Inch measurements			
Code	Pieces/bag	Bag/carton	Outer- Ø [mm]
SF-CTZ-006 •	1	10	1/4
SF-CTZ-010 •	1	10	3/8
SF-CTZ-012 •	1	10	1/2
SF-CTZ-016 •	1	10	5/8
SF-CTZ-019 •	1	5	3/4

• Item not in stock. Delivery on request. [MTO]

Tubolit Split & DuoSplit Accessories toolbox sae calibration tool



Inch measurements		
Code	Outer- Ø [mm]	Pieces/carton
SF-CBZ-06-16 •	1/4" / 3/8" 1/2" / 5/8"	5

• Item not in stock. Delivery on request. [MTO]

Tubolit Split & DuoSplit Accessories duct split



Length 2,0 m, Color white, Armacell ducts and accessories provide an aesthetically compact ducting, an ideal complement for every split installation. It's highly shock resistant, easy and quick to install, and is resistant to UV rays. The available dimensions were calculated accurately to offer the following advantages:

- ▶ Quick and easy to install
- ▶ Compact pipe covering
- ▶ Matches well to the building shell exteriors
- ▶ Sophisticated accessories

Code	Article description	Size w x h [mm]	m/carton
SD-CD-60X45	duct split 60 x 45	60 x 45	24
SD-CD-80X60	duct split 80 x 60	80 x 60	16
SD-CD-110X75	duct split 110 x 75	110 x 75	8

Technical properties

Material: Rigid, flame retardant, shockproof PVC, stabilised against UV radiation
 Temperature: min. -20 °C, max. +60 °C.
 Colour: RAL 9001 (white)

Tubolit Split & DuoSplit Accessories tightening clamps



Code	Article description	Size w x d [mm]	Pieces/carton
SD-CT-60X45 •	tightening clamps 60 x 45	60 x 45	30
SD-CT-80X60	tightening clamps 80 x 60	80 x 60	30
SD-CT-110X75 •	tightening clamps 110 x 75	110 x 75	20

- Item not in stock. Delivery on request. [MTO]

Tubolit Split & DuoSplit Accessories connection cover



Code	Article description	Size w x d [mm]	Pieces/carton
SD-CC-60X45 •	connection cover 60 x 45	60 x 45	30
SD-CC-80X60	connection cover 80 x 60	80 x 60	30
SD-CC-110X75 •	connection cover 110 x 75	110 x 75	20

- Item not in stock. Delivery on request. [MTO]

Tubolit Split & DuoSplit Accessories wall cover



Code	Article description	Size w x d [mm]	Pieces/carton
SD-CW-60X45 •	wall cover 60 x 45	60 x 45	10
SD-CW-80X60	wall cover 80 x 60	80 x 60	8

- Item not in stock. Delivery on request. [MTO]

Tubolit Split & DuoSplit Accessories end cover



Code	Article description	Size w x d [mm]	Pieces/carton
SD-CE-60X45 •	end cover 60 x 45	60 x 45	12
SD-CE-80X60	end cover 80 x 60	80 x 60	9

- Item not in stock. Delivery on request. [MTO]

Tubolit Split & DuoSplit Accessories wall adapter



Code	Article description	Size w x d [mm]	Pieces/carton
SD-CA-60X45 •	wall adapter 60 x 45	60 x 45	9
SD-CA-80X60	wall adapter 80 x 60	80 x 60	6
SD-CA-110X75 •	wall adapter 110 x 75	110 x 75	4

• Item not in stock. Delivery on request. [MTO]

Tubolit Split & DuoSplit Accessories internal elbow



Code	Article description	Size w x d [mm]	Pieces/carton
SD-CI-60X45 •	internal elbow 60 x 45	60 x 45	8
SD-CI-80X60	internal elbow 80 x 60	80 x 60	6
SD-CI-110X75 •	internal elbow 110 x 75	110 x 75	4

• Item not in stock. Delivery on request. [MTO]

Tubolit Split & DuoSplit Accessories external elbow



Code	Article description	Size w x d [mm]	Pieces/carton
SD-CX-60X45 •	external elbow 60 x 45	60 x 45	12
SD-CX-80X60	external elbow 80 x 60	80 x 60	9
SD-CX-110X75 •	external elbow 110 x 75	110 x 75	6

• Item not in stock. Delivery on request. [MTO]

Tubolit Split & DuoSplit Accessories flat bend



Code	Article description	Size w x d [mm]	Pieces/carton
SD-CF-60X45 •	flat bend 60 x 45	60 x 45	10
SD-CF-80X60	flat bend 80 x 60	80 x 60	8
SD-CF-110X75	flat bend 110 x 75	110 x 75	6

• Item not in stock. Delivery on request. [MTO]

Tubolit Split & DuoSplit Accessories reduction joint



Code	Article description	Size w x d [mm]	Pieces/carton
SD-CR-80X60 •	reduction joint	80 x 60	12
SD-CR-110X75 •	reduction joint	110 x 75	8

• Item not in stock. Delivery on request. [MTO]

Tubolit Split & DuoSplit Accessories t-piece



Code	Article description	Size w x d [mm]	Pieces/carton
SD-CP-80X60 •	T-piece 80 x 60	80 x 60	4
SD-CP-110X75 •	T-piece 110 x 75	110 x 75	2

• Item not in stock. Delivery on request. [MTO]

Tubolit Split & DuoSplit Accessories flexible duct



Length 590,0 mm

Code	Article description	Size w x d [mm]	Pieces/carton
SD-CL-60X45 •	flexible duct 60 x 45	60 x 45	6
SD-CL-80X60	flexible duct 80 x 60	80 x 60	4

• Item not in stock. Delivery on request. [MTO]

Tubolit Split & DuoSplit Accessories spiral hose smooth bore



Armaceil drain hoses are made of low-density polyvinyl chloride.

- ▶ available in single carton boxes, in rolls
- ▶ specially suitable for in-wall installations
- ▶ easy-to-carry carton
- ▶ pressure resistant

Code	Article description	Inner diameter [mm]	m/carton
SC-SH-16/E30	spiral hose smooth bore 16	16	30
SC-SH-18/E30	spiral hose smooth bore 18	18	30
SC-SH-20/E30	spiral hose smooth bore 20	20	30

Tubolit Split & DuoSplit Accessories two-way junction



Code	Article description	Inner diameter [mm]	Pieces/carton
SC-YW-16-18	two-way junction 16 / 18	16 / 18	20

Remark Applicable for spiral and corrugated hose.

Tubolit Split & DuoSplit Accessories corrugated hose



Code	Article description	Inner diameter [mm]	m/carton
SC-CH-1618/E50	corrugated hose 16 / 18	16 / 18	50

Remark With connections diameter 16-18 mm at 75 cm range.

Tubolit Split & DuoSplit Accessories floor support rails



Armaceil floor supports are made of rigid, shockproof PVC, stabilised against UV radiation.

- ▶ Capacity 150 kg each
- ▶ Fixing set is included in the package with four screws, nut and washers respectively
- ▶ End cap can be ordered separately

Code	Article description	Size w x h x l [mm]	Pieces/carton
SOR-350	floor support rails 350	80 x 80 x 350	24
SOR-450	floor support rails 450	80 x 80 x 450	24
SOR-1000	floor support rails 1000	80 x 80 x 1000	4

Tubolit Split & DuoSplit Accessories end cap & bolt



Code	Article description	Size	Pieces/carton
SOR-10-30 •	bolt	M 10 x 30	48
SOR-CAP	end cap	80 x 80	24

• Item not in stock. Delivery on request. [MTO]

Tubolit Split & DuoSplit Accessories adjustable bracket with level



Armacecell wall brackets made of electro-galvanised steel are available in different designs and for various load requirements. The brackets are painted with epoxy resins for outdoor use in RAL 9002. Each set is packed in a carton, including an assembly kit and installation instructions.

Code	Article description	Size w x d [mm]	Pieces/carton
SBAL-800X420	adjustable bracket with level	800 x 420	1 Set

Remark Max. load 50 + 50 kg.

Tubolit Split & DuoSplit Accessories adjustable bracket standard



Code	Article description	Size w x d [mm]	Pieces/carton
SBAS-700X465	adjustable bracket standard	700 x 465	1 Set

Remark Max. load 70 + 70 kg

Tubolit Split & DuoSplit Accessories adjustable bracket with safety hook



Code	Article description	Size w x d [mm]	Pieces/carton
SBAH-800X465	adjustable bracket with safety hook	800 x 465	1 Set

Remark Max. load 70 + 70 kg

Tubolit Split & DuoSplit Accessories heavy duty bracket



Code	Article description	Size w x d [mm]	Pieces/carton
SBHD-550X550	heavy duty bracket	550 x 550	1 Set

Remark Max. load 100 + 100 kg

Tubolit Split & DuoSplit Accessories installation frame



Code	Article description	Size l x w x d [mm]	Pieces/carton
SIC540X85X55	installation frame	540 x 85 x 55	15
SIP540X85	cover	540 x 85	15