

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

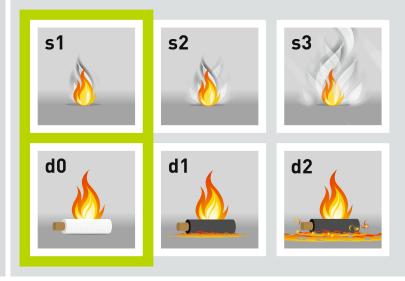


- · UV-resistant coating
- Easy to split and join
- · Complete range of matching accessories

Tubolit Split & 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. Tubolit Split and Tubolit DuoSplit achieve class C_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 NEW TOWERPACK

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.

Split and multi-split air-conditioning systems and cooling counters. **Applications**

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 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.

Certificate of Conformity with EN 12735-1for TubolitSplit&DuoSplit copper pipes available on request Remarks

Property	Value/Assessment			Test*1	Special Remark
Temperature Range					
Temperature Range	max. service temperature	+ 105 °C			
	min. service temperature ¹	- 50 °C			
Thermal Conductivity					
Thermal	ϑ _m 0 °C				
Conductivity	λ ≤ 0,036 W/(m·	K)	$[36 + 0,1 \cdot \vartheta_{m} + 0,0008 \cdot \vartheta_{m}^{2}]/1000$		
Water vapour diffusion	resistance				ı
Water vapour diffusion resistance	Only for non-slit µ insulation and coating:	2	5.000		Tested according to EN 13469
Fire performance					
Reaction to fire	Euroclass	C _L -s1,d0		EU 5871	Classified acc. to EN 13501-1 Tested according to EN 13823, EN ISO 11925-2
Other technical featur	es				
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	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 6 x 0.8 mm 1/4" x 1.0 mm 206 bar 3/8" x 0.7 mm 87 bar 3/8" x 0.8 mm 101 bar 10 x 0.8 mm 3/8" x 1.0 mm 129 bar 10 x 0.8 mm 1/2" x 0.8 mm 74 bar 12 x 0.8 mm 1/2" x 1.0 mm 94 bar 12 x 1.0 mm 5/8" x 1.0 mm 58 bar 16 x 1.0 mm 5/8" x 1.0 mm 74 bar 12 x 1.0 mm 3/4" x 1.0 mm 61 bar 18 x 1.0 mm 7/8" x 1.0 mm 52 bar 22 x 1.0 mm	220 bar 96 bar 122 bar 79 bar 100 bar 73 bar 65 bar			

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

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.

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

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 (\$/t) 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	8.0	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	8.0	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	8.0	30	25	9,0	2	50
SZC-128/E50	1/2	12.7	8.0	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 (\$/t) 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/ 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 (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	28 / 34	25	9,0	1	25
DMC-10181/E25	10/18	1.0 / 1.0	28 / 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/E25	1/4 / 3/8	6.35 / 9.525	0.8 / 0.8	24 / 28	25	9,0	1	25
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/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/E25	3/8 / 5/8	9.52 / 15.875	0.8 / 0.8	28 / 34	25	9,0	1	25
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 (\$/t) of the previous month.

Tubolit DuoSplit pipes pre-insulated endless (inch)



Color grey, Covering Color white

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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 (\$/t) 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.

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

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. Remark

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). **Technical properties**

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. 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

Regulations

	Metric mea	surements		Inch measurements				
Code	Pieces/bag	Bag/carton	Outer- Ø [mm]	Code	Pieces/bag	Bag/carton	Outer- Ø [mm]	
SF-CTM-006 ●	1	10	6	SF-CTZ-006 ◆	1	10	1/4	
SF-CTM-010 ●	1	10	10	SF-CTZ-010 ●	1	10	3/8	
SF-CTM-012 ●	1	10	12	SF-CTZ-012 ◆	1	10	1/2	
SF-CTM-016 ●	1	10	16	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 is highly shock resistant, easy and quick to install and resistant 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

Material: Rigid, flame retardant, shockprrof PVC, stabilised against UV radiation **Technical properties** 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



Armacell drain hoses are made of low-density polyvinil chroride.

- ► 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



Armacell 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



Armacell 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