



# TWINSHIELD PREINSULATED COPPER LINE SETS

## APPLICATIONS

It provides the perfect size combination for both suction and liquid lines to fit every air conditioning, such as ductless mini-splits, VRF, heat pumps and centralized air ducted units. Lines are machinery attached one to the other for faster and easier install.

## TECHNICAL SPECS

### INSULATION

**Polyethylene closed cell foam:** assures thermal insulation from surroundings. Thickness according to EN 14114 and to UNI 10376 (1994), suitable to avoid dripping in standard working conditions (minimum inside fluid temperature 7°C, room temperature 27°C, relative humidity lower or equal than 50%).

**Low-density polyethylene foam:** closed cells foam, CFC and HCFC gas free

**Water vapor permeability:**  $\mu=12000$

**Water absorption:** WS 005

**Maximum working temperature:** ST(+) 110

**Wall thickness:** 10 mm

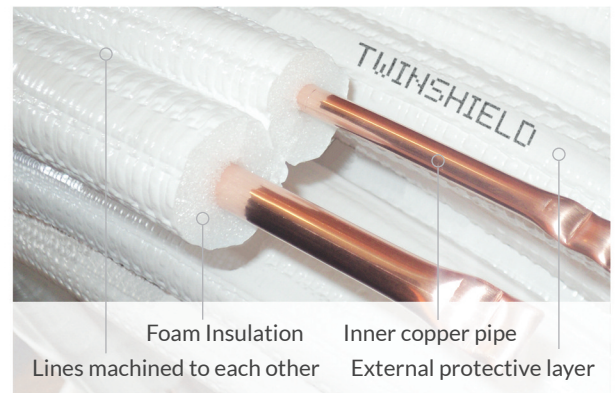
**Surface burning characteristics:** Class CL -s1, d0 and BL -s1, d0 certified insulation

**Thermal Conductivity:** 0,038 W/mK (at 40°C) according to UNI EN ISO 8497

### COPPER

**Pipes:** Manufactured according to EN 12735-1. Suitable for R407 and R410 gases.

**Copper:** No. C122200 DHP (phosphorous deoxidized, high residual phosphorous), 99.90%.



## SPECIAL FEATURES

**Outer Jacket:** additional white polyethylene jacket cover protects foam insulation from tearing during installation process.

**Marking:** insulation incrementally marked by every foot to ensure accurate initial unit charge.

**R410a approved:** Twinshield can be used in applications where high-pressure gases are used as refrigeration source.

**UV resistant:** Twinshield is UV resistant.

**Paintable:** the insulation can be painted to match the surroundings.

PDM® Copper recommends product installation under plastic duct to protect it from severe weather conditions, accidental damages or theft.



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TRY IT, LOVE IT.

## PRODUCT TABLE

DM PART NUMBER	COIL SIZE	INSULATION	COILS (per pallet)	LENGTH (of rolls)
F100.GUS143825	1/4-3/8	10mm	16	25 MT
F100.GUS141225	1/4-1/2	10mm	16	25 MT
F100.GUS385825	3/8-5/8	10mm	12	25 MT
F100.GUS3858X125	3/8-5/8X1	10mm	12	25 MT
F100.GUS3858X125	3/8-3/4X1	10mm	12	25 MT
F100.GUS143820	1/4-3/8	10mm	20	20 MT
F100.GUS141220	1/4-1/2	10mm	20	20 MT
F100.GUS385820	3/8-5/8	10mm	15	20 MT
F100.GUS3858x120	3/8-5/8X1	10mm	15	20 MT
F100.GUS3834x120	3/8-3/4X1	10mm	15	20 MT