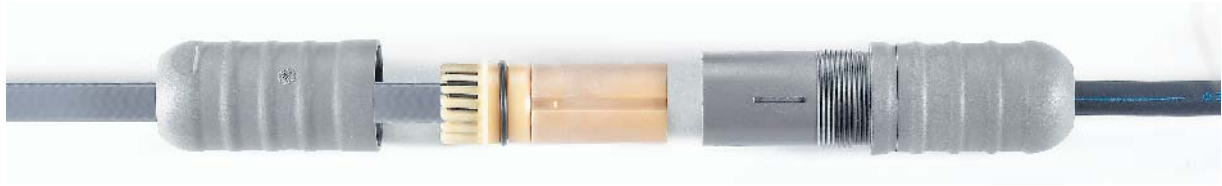


# ThermTwist connection/end termination kit



- Efficient power termination
- Clamp coupling technology
- Installed in less than a minute

## Description:

The ThermTwist sets are an easy, fast and inexpensive method for power termination of ThermTrace self regulating heating tapes in non-hazardous areas. The installation times are decreased when using ThermTwist termination sets. Just slide the heating tape end through the sleeve, expose the heating tape braiding and prepare for insertion into the clamping sleeve, plug the parts together, twist the threaded power termination and sleeve together. This procedure can be used to install in less than a minute with only a small amount of experience.

## Technical data:

Supply voltages:

max. AC 250V/16A

IP rating:

acc. to EN 60 529, IP66, IP68

acc. to VDE

Exposure temperature:

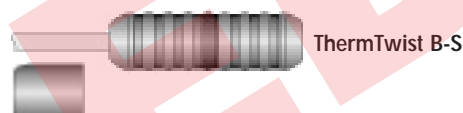
continuous (power on) 80°C

intermittent (power off) 100°C

1000 h accumulative

Minimal exposure temperature:

min. -25°C



ThermTwist B-S



ThermTwist B-E



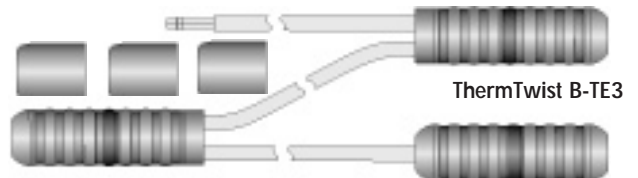
ThermTwist B-A



ThermTwist B-C



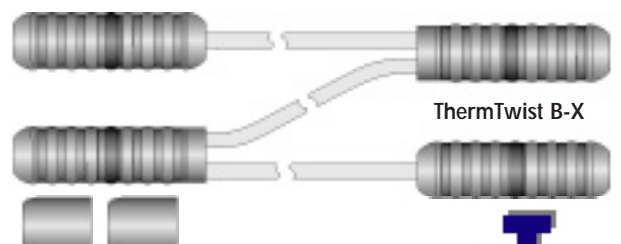
ThermTwist B-T



ThermTwist B-TE3








ThermTwist B-TE2



ThermTwist B-X

# ThermTwist connection/end termination kit

Parts List	ThermTwist	A	E	S	C	T	TE2	TE3	X
1		1		1		2	1	1	2
2						1	1	2	2
3		1		1	2	3	2	3	4
4		1		1	2	3	2	3	4
5		1		1	2	3	2	3	4
6		1		1	2	3	2	3	4
7					1				
8			1	1		1	2	3	2

## Note:

Only the heating cables type ThermTrace REGULAR may be used. Each heating circuit must be incorporated into a circuit which offers personal protection. For this purpose a double pole RCD with 30 mA trip should be used for heating tapes up to 500 metres in length. An automatic fuse 16 A C-characteristic is also required.

The maximum heating circuit length is dependent upon the heating cable type and should be carefully observed. eltherm's general mounting instructions must be followed. ThermTwist has to be fixed securely. The connection cable has to be protected against any pull, push or twisting movements, e.g. with cable ties. The connection to the mains supply must be carried out by an authorised electrician.

## Cable connection

Cut the cable ensuring a straight cut. Draw sleeve **3** and insertion sleeve **4** over the cable.



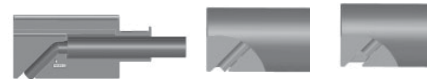
Remove 42 mm from the heat cable overjacket. Place clamp **5** over the exposed braiding and pull the rest of the braiding over the clamp.



Please pay attention that the insertion sleeve **4** and the clamping sleeve **6** are lined up correctly.



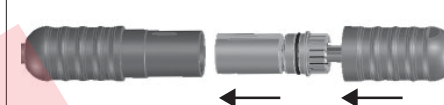
Push the heating cable into the clamping sleeve **6** until the clamping sleeve 6 and heating cable are aligned.



correct

failure

Insert clamping sleeve **4** into the relevant sleeve of your choice (**1, 2 or 7**).



Ensure that the tip  and groove  of the antirotation key are aligned.



Screw sleeve **3** and the relevant sleeve housing (**1, 2 oder 7**)

## End termination

Cut the cable ensuring a straight cut. Remove 20mm overjacket and braiding. Shorten the exposed area to 5mm.

5 mm



Push the cable to to it's full lenth into the end seal **8**.



## Required tools

