

GB/DAS/LV

## Fitting instructions

Connection kits for joining  
all types of DEVI self  
limiting heating cables  
to terminal boxes  
Art. no. 19805753

### Montāžas instrukcija

Savienošanas komplekts  
DEVI pašregulējošā  
kabeļa  
iceguard un pipeguard  
savienošanai sadales  
kārbā  
Art. Nr. 19805753



Fitting set: 19805753  
Terminal box fitting set:  
1 crimp tube  
type 12/3, L = 20 mm  
2 crimp tubes,  
type 3/1, L = 35 mm  
1 chloropren rubber,  
TYPE pg 16

Sealing set for cable-end  
1 crimp tube,  
type ESP 12/3, L = 60 mm  
1 crimp tube,  
type ESP 12/3, L = 25 mm  
1 crimp tube, type KYNAR  
3/4, L = 100 mm  
1 piece of adhesive tape,  
L = 100 mm  
1 piece of assembly wire

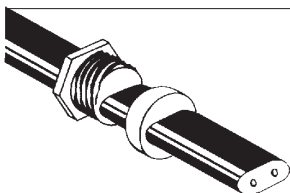
## Practical fitting instructions:

It is very essential to follow this instruction very carefully that when finished no connections are missing or wrong with the risk of the cable not working or being over-heated. Therefore read the entire instruction to the end before you start.

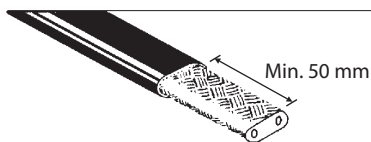
A temperature of 150°C +/-30° is necessary to shrink the crimp tubes. A hot air gun with a temperature regulator is the most appropriate tool.

However, a blow torch with a moderate flame or a gas lighter can also be used.

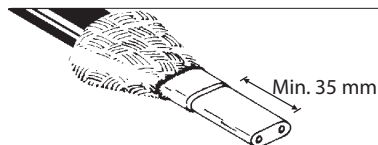
### Preparation of the heating cable



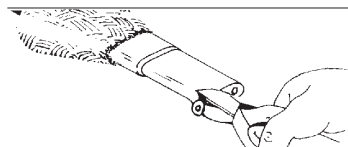
Pull the PG screw joint over the cable.



1. Remove the outer sheath from the cable with a wire stripper.



2. Pull the screen back over the cable and cut away, (with a knife) the conductor insulation.



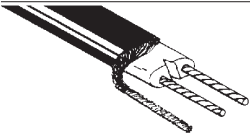
3. Using side-cutting pliers, carefully cut the inner layer of the material between the two conductors away, making sure not to damage them when doing so.



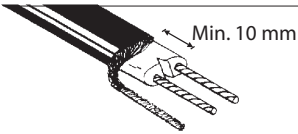
4. Pull the conductors to the side and cut the inner layer away so that it is flush with the first layer of insulation.



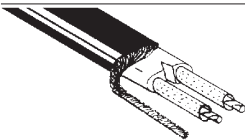
5. Twist the conductors so that the remaining material loosens.



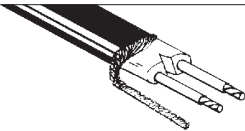
6. Carefully cut away any remaining material and trim the tips of the conductors. Cut a small triangle in the inner material as shown in the diagram.



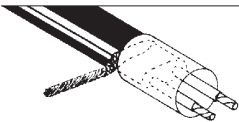
7. Untangle the screen and then twist it together. Position it as shown in the diagram. Make sure that none of the earth wires are in contact with the conductors.



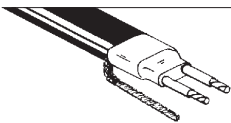
8. Mount the crimp tube, type 3/1, L=15mm, onto the conductors.



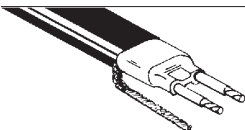
9. Crimp the tubes.



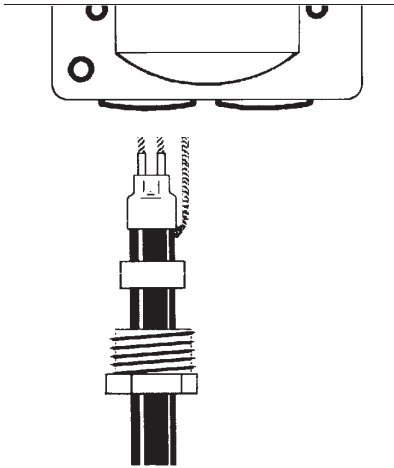
10. Pull the crimp tube, type 12/3, L = 20 mm over the cable so that it meets the outer sheath at the one end and protrudes at least 5 mm out over the inner layer of material at the other end.



11. Crimp the tube.

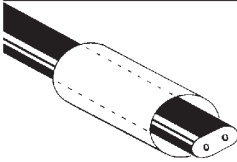


12. Press the tube with flat bit pliers between the conductors until glue is visible.

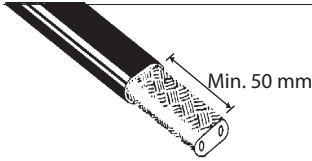


13. The heating cable can now be connected directly into the points in the terminal box.

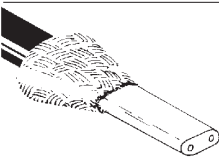
### Sealing the end of the heating cable



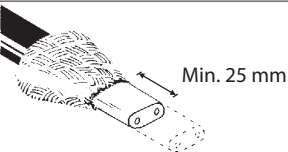
1. Cut the cable to the desired length for installation.



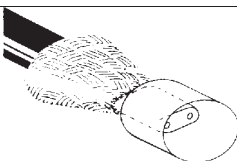
2. Remove the outer sheath from the cable.



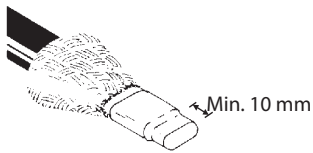
3. Pull the screen back over the cable.



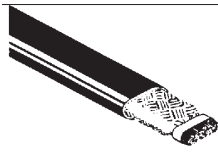
4. Cut away 25 mm from the inner part of the cable.



5. Pull the crimp tube, type 12/3, L=25 mm over the remaining inner part of the cable.

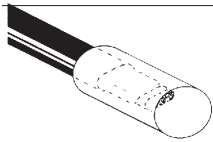


6. Crimp the tube down and flatten the end with flat bit pliers so that the glue is visible.



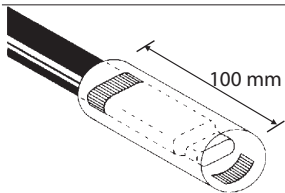
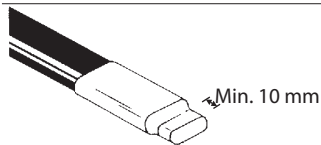
7. Pull the screen back over the cable and secure with the provided assembly wire.

Pull the crimp, type 12/3 L= 60 mm over

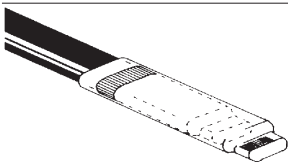


8. the cable and allow 10 mm to protrude over the end of the cable. Crimp the tube down and pinch the end with flat bit pliers so that the glue is

9. clearly visible.



10. Sealing the of the heating cable for damp and particularly aggressive conditions, e.g roof gutters, chemical plants, etc. requires that the flowing is mounted over the seal:



11. Wrap 8 cm of adhesive tape around the outside sheath of the cable so that it overlaps the crimped tube. Pull the crimp tube, type KYNAR over the cable and place 20 mm of adhesive tape inside the end of the KYNAR crimp tube. Crimp the tube. Make sure that the glue flows properly out on the outer sheath of the cable. Crimp the tube down and pinch the end with flat bit pliers so that the glue is clearly visible.

Art. No 19805754

**Montāžas komplekts:**

Pašregulējošā apsildes kabeļa savienošanai kārbā:

- 1 termorūkošā caurulīte tips 12/3, L=20 mm
- 2 termorūkošās caurulītes tips 3/1, L=15 mm
- 1 hloroprēna blīvgumija tips PG 16

Pašregulējošā apsildes kabeļa gala apdare:

- 1 termorūkošā caurulīte tips ESP 12/3, L=60 mm
- 1 termorūkošā caurulīte tips ESP 12/3, L=25 mm
- 1 termorūkošā caurulīte tips KYNAR 3/4, L=100 mm
- 1 limlente L=100 mm
- 1 montāžas vads

## Montāžas instrukcija

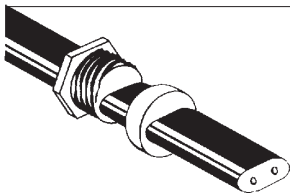
Lai izvairītos no kabeļa nepareizas vai kļūdainas savienošanas, ir svarīgi sekot instrukcijai, sākot montāžu tikai pēc rūpīgas instrukcijas izlasīšanas.

Termorūkošo caurulišu montāžai nepieciešama 150°C - 200°C temperatūra.

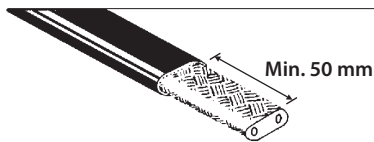
Piemērotākais instruments ir karstā gaisa fēns ar temoregulatoru. Iespējams lietot arī lodlampu vai gāzes degli ar liesmas regulatoru.

Lai starp vadiem un savienošanas presčaulu panāktu iespējami labāku kontaktu, lietojamas piemērotas presstangas piemēram DKB 0325 vai RQ0560.

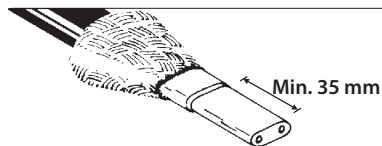
### Pašregulējošā apsildes kabeļa sagatavošana



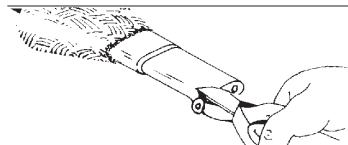
Uzvelciet PG skrūves savienojumu uz kabeļa.



1. Noņemiet 50 mm ārējo apvalku.



2. Atvelciet pīto ekrānu atpakaļ pāri kabelim un noņemiet vada izolāciju.



3. Lietojot asknaibles, izkniebiet iekšējo slāni starp abiem vadiem, nebojājot vadus.

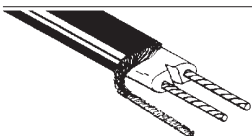
4. Nogrieziet iekšējo slāni līdz izolācijai.



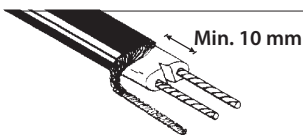
5. Rūpīgi atbrīvojiet vadus no atlikušā materiāla un savērpjiet.



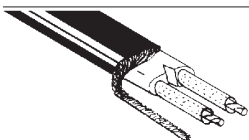
6. Nogrieziet vadu galus un izgrieziet mazu trīsstūrīti iekšpusē kā parādīts zīmējumā.



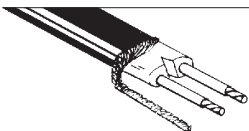
7. Atpiniet ekrānu un savijiet to kopā, izvietojot no kabeļa sāna kā parādīts zīmējumā. Pārliecinieties, ka neviens no ekrāna vadiem nav kontaktā ar vadītāju.



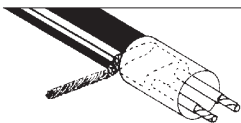
8. Uzvelciet termorūkošās caurulītes, tips 3/1, L=15 mm uz vadiem.



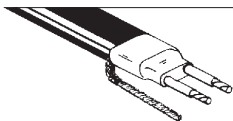
9. Nosildiet caurulītes ar fēnu.



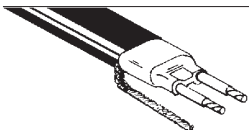
10. Uzvelciet termorūkošo caurulīti tips 12/3, L=20 mm uz kabeļa līdz tā ar vienu galu saskaras ar ārējo apvalku un ar otru galu pārklāj iekšējo slāni par vismaz 5 mm.



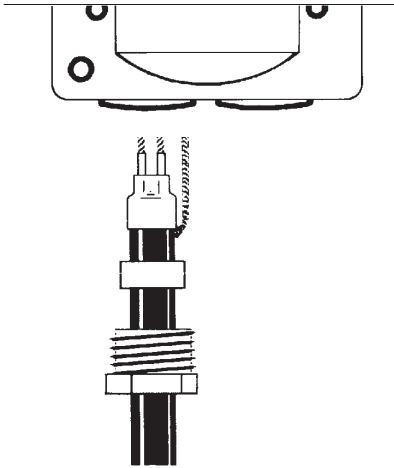
11. Nosildiet caurulīti ar fēnu.



12. Saspiediet caurulīti starp vadiem ar plakangalu knaiblēm, līdz parādās līme.

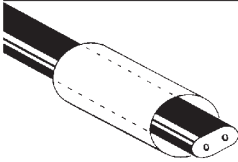




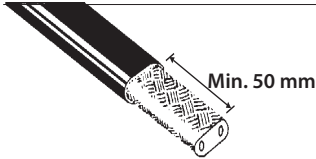


13. Apsildes kabelis ir gatavs pievienošanai pie nozarkārbas spailēm.

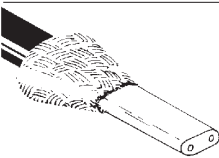
### Pašregulējošā apsildes kabeļa gala apdare



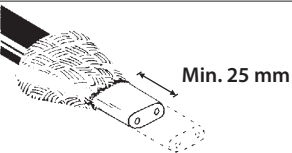
1. Nogrieziet kabeli vēlamajā garumā.



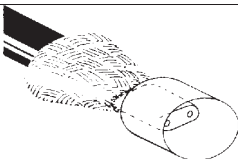
2. Noņemiet kabeļa ārējo apvalku.



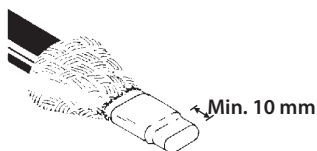
3. Atvelciet ekrānu atpakaļ pāri kabelim.



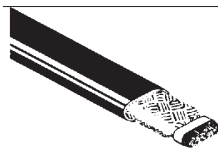
4. Nogrieziet 25 mm no kabeļa iekšējās daļas.



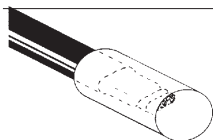
5. Uzvelciet termorūkošo caurulīti tips ESP 12/3, L=25 mm uz atlikušās kabeļa iekšējās daļas.



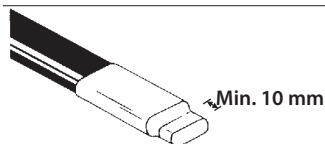
6. Nosildiet caurulīti un galu saspiediet ar plakangalu kņablēm, līdz parādās līme.



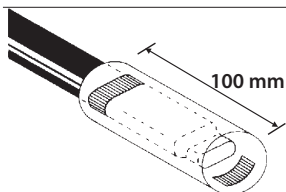
7. Novelciet ekrānu atpakaļ pāri kabelim un nostipriniet to ar montāžas vadu.



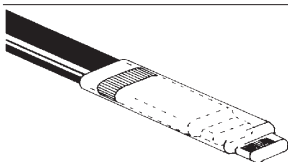
8. Uzvelciet termorūkošo caurulīti tips ESP 12/3, L=60 mm atstājot pārslaidumu 10 mm pāri kabeļa galam.



9. Nosildiet caurulīti un galu saspiediet ar plakangalu kņablēm, līdz skaidri redzama līme. Apsildes kabeļa gala apdare mitrām un daļēji agresīvām vidēm (notekcauruļu, jumtu apsilde, ķīmiskajā rūpniecībā utt.):



10. Uztiniet 8 cm līmlentu ap kabeļa ārējo apvalku tā, lai tas pārklātu gala apdare. Uzvelciet termorūkošo caurulīti tips KYNAR 3/4, L= 100 mm uz kabeļa un ievietojiet 20 mm garu līmlentas gabaliņu KYNAR caurulītes galā.



11. Nosildiet caurulīti līdz skaidri redzama līme un saspiediet ar plakangalu kņablēm.



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