

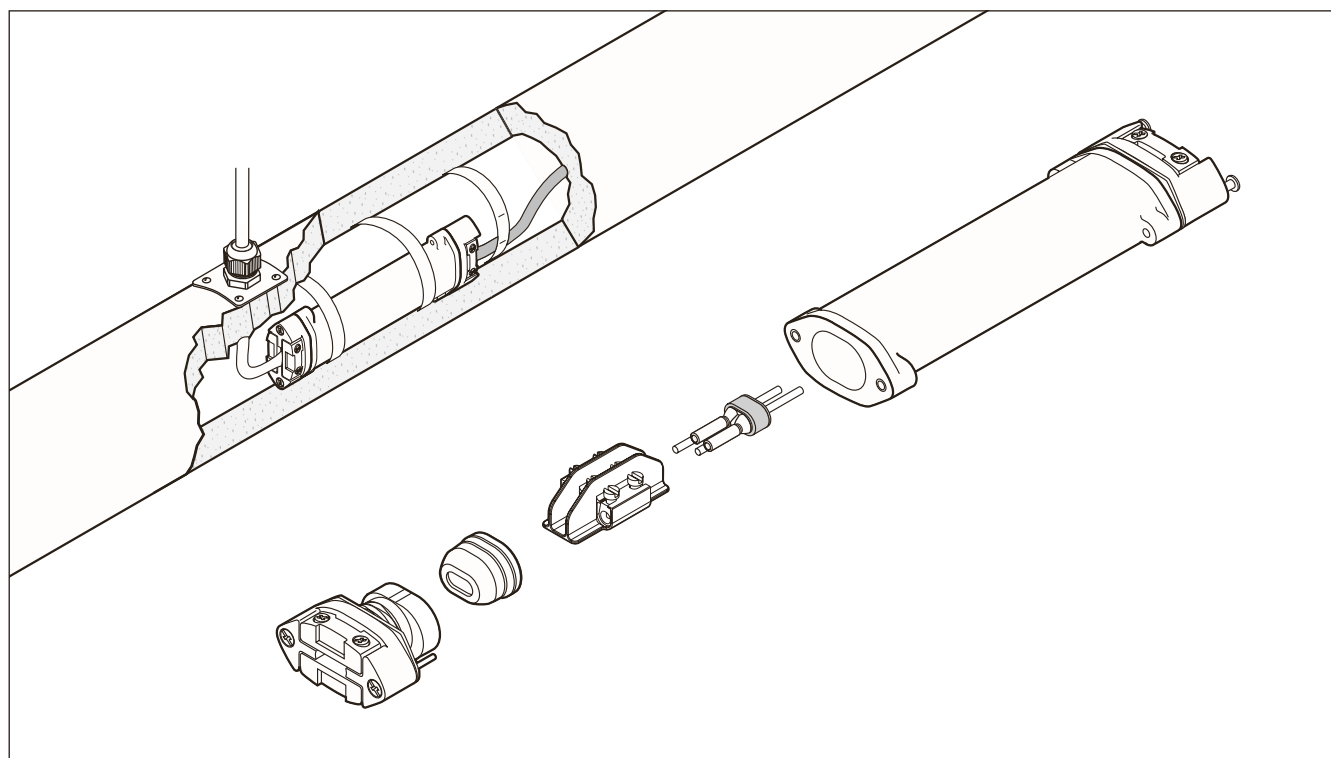
### Low profile power connection - cold applied


The C-150-E is a cold applied low profile power connection. This kit enables in line connection of Raychem industrial heating cables, BTV, QTVR, XTV and KTV, to a flexible power cable. It can be used in applications with temperature ratings from  $-50^{\circ}\text{C}$  to  $215^{\circ}\text{C}$ . It is approved for use in hazardous areas.

A Raychem supplied power cable such as C-150-PC may be used or any suitable standard industrial power cable type  $3 \times 1.5 \text{ mm}^2$  or  $3 \times 2.5 \text{ mm}^2$  with stranded copper conductors and an outer insulation jacket. The power cable is connected by means of screw terminals to the conductors and the braid of the heating cable.

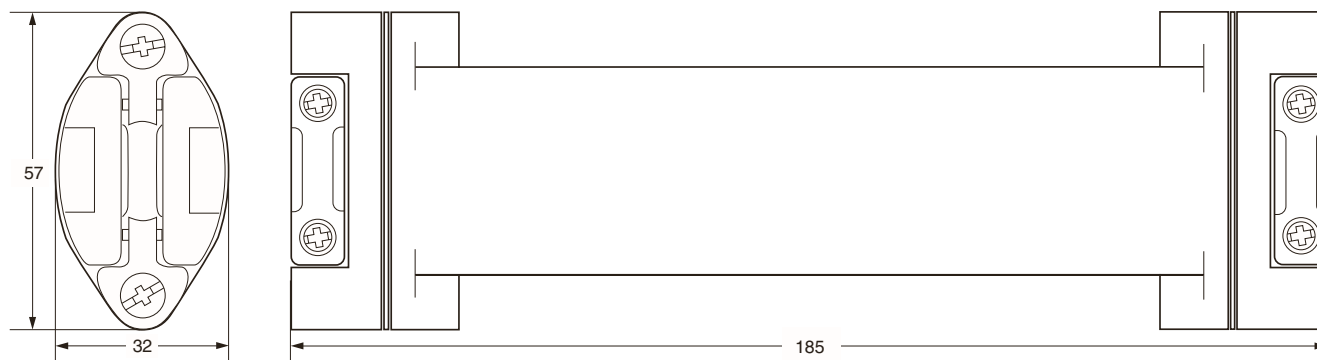
C-150-E is used as connector:

- where connection to a junction box is difficult e.g. because of space limitation
- on instrument lines or loading arms
- where installation of "under insulation" components is preferred
- as a cost effective solution for short heat-tracing lines as an alternative for JBS-100.



<b>Description</b>	Cold applied low profile splice for connection of BTV, QTVR, XTV and KTV heating cables to a power cable
<b>Kit contents</b>	1 splice housing assembly including <ul style="list-style-type: none"> <li>• 1 sealing grommet assembly for heater</li> <li>• 1 pressure plate / strain relief assembly</li> </ul> 1 core sealer for heater 1 spacer including screw terminal 1 sealing grommet assembly for the power cable 1 pressure plate / strain relief assembly for the power cable 1 identification label 1 installation instruction
<b>Approvals</b>	PTB 98 ATEX 1121 U  II 2 G/D EEx e II IP 66

## Dimensions (in mm)



## Product specifications

Heating cable capability	BTV-CR, BTV-CT, QTVR-CT, XTV-CT, KTV-CT
Power cable capability	For use with Raychem's high temperature power cable C-150-PC or for use with other flexible cable such as: H07RN-F, Silicone insulated cables. Minimum and maximum installation and operating temperatures, given by cable manufacturer, have to be considered by designer and installer.
Power cable dimension	-> outer diameter range 7.8 mm - 12.5 mm -> 3 stranded copper conductors (3 x 2.5 mm <sup>2</sup> or 3 x 1.5 mm <sup>2</sup> ) -> temperature range depending on the application
Maximum power cable length	depending on power cable voltage drop and maximum current for Raychem power cable C-150-PC (3 x 2.5 mm <sup>2</sup> ): CB 16 A                      40 m CB 20 A                      32 m CB 25 A                      25 m
Ingress protection	IP66
Minimum installation temperature	-50°C
Maximum pipe temperature	215°C (possible limitation because of maximum temperature rating of power cable)
Maximum operating voltage	254 Vac
Maximum current rating	depending on the power cable used and maximum current

## Construction Materials

Housing, end plate, shim and spacer	Engineering polymers, black
Sealing grommets	Silicone rubber
Screws, compression spring	Stainless steel

## Ordering details

Part description	C-150-E
PN (Weight)	073704-000 (0.4 kg/0.8 lb)
Pack size	1 bag

## Accessories

Power cable	C-150-PC 3-core flexible power cable for connection to C-150-E, 3 x 2.5 mm <sup>2</sup> , silicone insulation, temperature range: -40°C to +180°C, short term: 215°C.
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