

# KIT COMPRESSOR INTERFACE CABLE HARNESS ASSEMBLY

100058-1, 2, 4.

<p><b>Installation and servicing of Danfoss Turbocor® compressors by qualified and product trained personnel only. Follow these instructions and sound refrigeration/electrical/servicing practices relating to installation, commissioning, maintenance and service.</b></p>			
<p>Consult the appropriate DTC Service Manual on <a href="http://turbocor.danfoss.com">turbocor.danfoss.com</a> for detailed service instructions.</p>	<p><b>Never operate compressor without covers in place and secured.</b></p> <p><b>Removing the mains input cover will expose you to a voltage hazard of up to 575V. Ensure the mains input power is off and locked out before removing cover.</b></p> <p><b>Before removing top cover, wait at least 20 minutes after isolating AC power to allow the high voltage capacitors to discharge.</b></p>	<p>Always wear appropriately rated safety equipment when working around equipment and/or components energized with high voltage.</p> <p><b>This equipment contains hazardous voltages that can cause serious injury or death.</b></p>	<p><b>Recover all refrigerant from compressor in accordance with local codes and ensure pressure is fully vented before the removal of refrigerant containing components.</b></p>

## 1 - Introduction

COMPRESSOR INTERFACE CABLE HARNESS ASSEMBLY Removal and Installation - The interface cable connects the compressor to the compressor I/O board. I/O wiring specifications for this kit are shown in Figure 1.

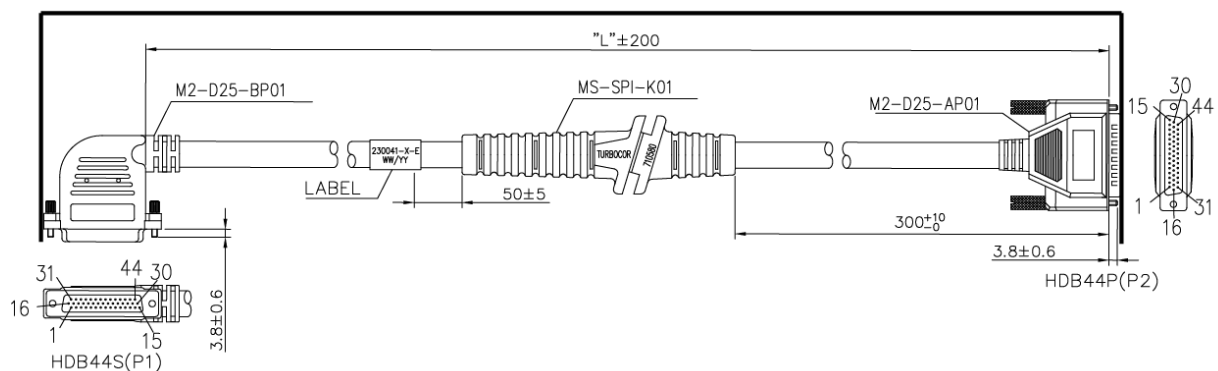


Figure 1 I/O Wiring Specifications

2 - Procedure to connect new cable:

- Incorrect wiring of the terminals can severely damage components.
1. Turn off the mains input power to the compressor.
  2. Wait for greenlight (D9) on the I/O board to turn off.
  3. Remove service side cover.
  4. Unscrew cable screws at connection points.
  5. Remove existing I/O cable from J6 on I/O board and J7 on backplane.
  6. Plug the new cable into connector J6 on the compressor I/O board and J7 on backplane. (Figure 2)

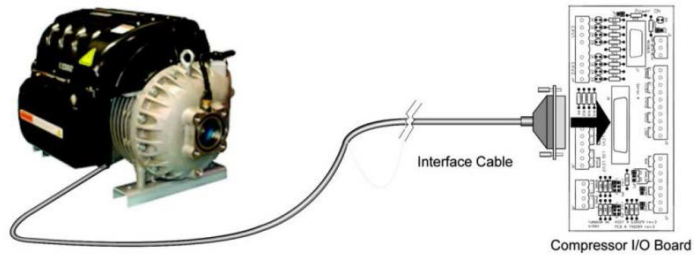


Figure 2 Compressor I/O Board Connections

- Note: The maximum values are the tested length of the cable. The compressor functionality has not been proven with cable length above maximum values specified here.

3 - Kit Contents

Kit numbers	Compressor models	
100058-1	ALL FIE MODELS	
100058-2	TT300 SIE	
100058-4	ALL FIE MODELS	
QTY	Part(s) Description	Picture(s)
1	Compressor Interface Cable Harness Assembly 100058-1, 100058-2: 5m 100058-4: 10m	

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