### IMPORTANT!
Core order along no. 4

Red (primary)
White (output signal)
Black (output signal)
Blue (primary)

If cable no. 4 is lengthened it is important to keep core order.

IP20:
Power Supply 24 V (18–36) VDC
Signal earth (0V) connected to Tension Electronics metal plate
Cable Shields should be connected to earth close to the Tension Electronics

IP65:
Power Supply 100 (–15%) to 240 (+10%) VAC or 24 VDC
Signal earth (0V) connected to earth bar inside the unit
Cable Shields should be connected to earth bar inside the unit

Increased Force is the direction of the arrow results in a positive output signal change.

PFTL301E

Because of practical reasons the Load Cell PFTL301E is often mounted so that the plug connector is pointing away from the roll. This results in that one of the Load Cells will have inversely applied force.

<table>
<thead>
<tr>
<th>For inversely applied Force on Load Cell:</th>
<th>Swap</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>X3:1 &amp; 2</td>
</tr>
<tr>
<td>B</td>
<td>X3:3 &amp; 4</td>
</tr>
<tr>
<td>C</td>
<td>X3:5 &amp; 6</td>
</tr>
<tr>
<td>D</td>
<td>X3:7 &amp; 8</td>
</tr>
</tbody>
</table>

### CABLE LIST

1. 3 x 1.5...2.5 mm² (14...12 AWG)
2. 2 x 0.4...1 mm² (22...18 AWG)
3. 2 x 1.5...2.5 mm² (14...12 AWG)
4. 4 x 0.5 mm² (20 AWG)
5. 4 x 2 x 0.5 mm² (20 AWG)

### Removed Load Cell(s)

<table>
<thead>
<tr>
<th>Connect shorting wire at PFXC141</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
</tr>
<tr>
<td>B</td>
</tr>
<tr>
<td>C</td>
</tr>
<tr>
<td>D</td>
</tr>
</tbody>
</table>

### Notes:
- Sh.7 added.
- Instruction for single load cell application adjusted.
- X3:2/24V was 0 VP, X3:3 and X3:4 added.
- New document.
- DATE: 2002-11-28
- DEPT/INIT: 

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**Project or order number:** 3BSE02814D0065
**Customer reference:** Tension Electronics PFEA113
**Tension Electronics PFEA113**

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**Updated by:** ABBC AB
**Updated by:** PAMP/PMFA
**Updated by:** Fredrik Norlund
**Updated by:** PAMP/PMGA

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**Date:** 2002-06-04
**PMK/PS:** PAMP/PMFA
**PMG/PS:** Stratta Johansson
**Project or order number:** 3BSE02814D0065
**Customer reference:** Tension Electronics PFEA113
**Tension Electronics PFEA113**

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**PMK/PS:** PAMP/PMFA
**PMG/PS:** Stratta Johansson
**Project or order number:** 3BSE02814D0065
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