**IMPORTANT!**

Core order along no. 4

1-Red (primary) 2-Black (output signal) 4-White (output signal) 3-Blue (primary)

Load Cell equipped with fixed cable has color marked conductors. If cable no. 4 is lengthened it is important to keep core order.

**IP65:**
Power Supply 24 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 in the direction of the arrow results in a positive output signal change.**

PFTL101 ─ b PFCL201

PFTL201 ─ n PFRL101

Radial Force

Because of practical reasons the Load Cell PFTL201 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.

**For inversely applied Force on Load Cell:**

<table>
<thead>
<tr>
<th></th>
<th>Swap</th>
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<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] — Shielded
3. 2 x 1.5, 2.5 mm² [14, 12 AWG]
4. 2 x 0.25 mm² [20 AWG] — Shielded twisted pair
5. 2 x 0.25 mm² [20 AWG] — Shielded twisted pair
6. 1 Load Cell equipped with fixed cable has no plug connector.

**Cable resistance between X2:1 and X2:8 must not exceed 10 ohm.**

**Removed Load Cell (a) Connect shorting wire in PFXC114 at**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>17 &amp; 18</td>
<td>21 &amp; 22</td>
<td>17 &amp; 18</td>
<td>21 &amp; 22</td>
</tr>
</tbody>
</table>

**ABB AB**

Project or order number: 3802814 D0065