HELIFLEX CABLE PVC/PUR
SPIRALLY FORMED FLEXIBLE CABLE ACC. TO VDE 0250 SPEC., OPERATING VOLTAGE 600 V

FOR HIGH FREQUENCY MOVEMENT STRESS

CONSTRUCTION
Conductors of copper, bare finely stranded class 5 – cores PVC insulated – laid up and PVC bedded – Polyurethane sheathing of abrasion, oil and notch resisting quality – spirally formed.

Please Note: Powermite Heliflex PVC/PUR cables can be offered in different stranding – insulation and sheath materials – colours – physical designs and voltages.

CORE IDENTIFICATION to VDE 0293
Cores mostly black with white numbers
Cable description bearing – O without earth core
Cable description bearing – J with green/yellow earth core

APPLICATION:
HELIFLEX PVC/PUR cables are used to feed power, control and data signals to mobile users. Heliflex can operate profitably under extreme temperatures, mechanical stress and chemical exposures. While constant linear movement is the strength, Heliflex cannot be used under forced guided conditions. Polyurethane has an excellent shape memory.

For chemical resistance table refer to page 58 table 13

TECHNICAL DATA

1. Max. operating Voltage AC : 450 V / 600 V
2. Max. operating Voltage DC : 675 V / 1125 V
3. Test Voltage AC : 3000 V
4. Conductor resistance : to DIN/VDE 0295 Class 5
5. Temperature range : mobile – 5 °C to + 70 °C
                      : fixed – 30 °C to + 70 °C
6. Current Capacity : see Table 3 page 52 to VDE 0100
7. Derating : see Table 3 page 52 to VDE 0100
8. Specification : according to VDE 0250
10. Tensile stress : not to exceed 15N/mm² of total core cross section of largest core size
11. Marking : please enquire

No. of cores and rated cross section

<table>
<thead>
<tr>
<th>mm²</th>
<th>approx. expanded length l₁</th>
<th>approx. ambushed length l₂</th>
<th>l₁</th>
<th>l₂</th>
<th>d₁</th>
<th>d₂</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>in mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
</tbody>
</table>

HELIFLEX PVC/PUR – J

4 x 0.75
4 x 0.75
4 x 0.75
4 x 0.75
4 x 1.5
4 x 1.5
7 x 1.5
7 x 1.5
4 x 2.5
5 x 2.5
5 x 2.5
5 x 2.5
4 x 4.0
4 x 4.0

Above sizes may require minimum quantities
All quoted data is approximate and not binding

for OD on above cables, see PURX page 38
Sizes, cores and designs not stated here are available on request.