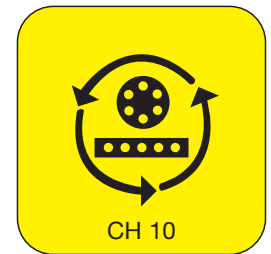
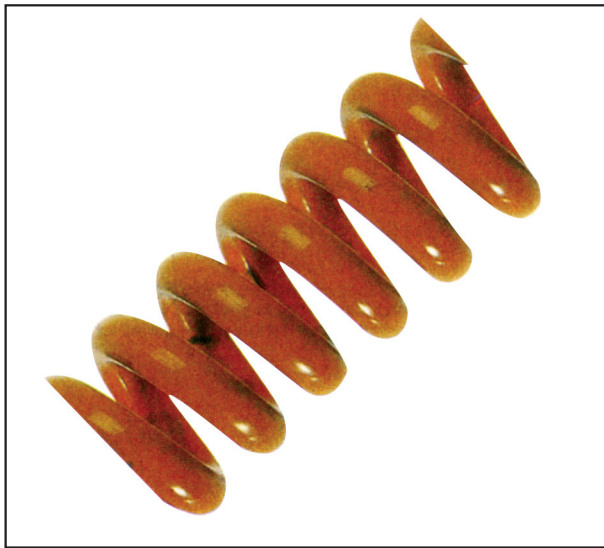


# HELIFLEX CABLE PVC/PUR

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

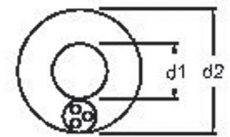
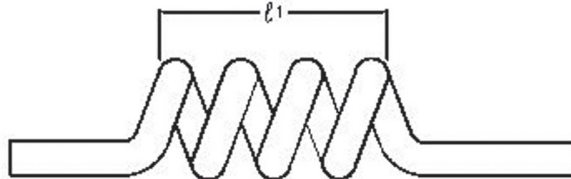
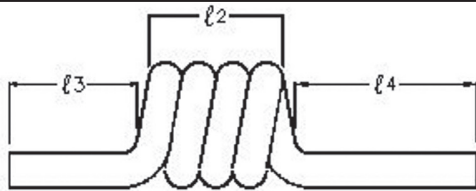
Cable description bearing – O without earth core

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	6. Current Capacity	: see Table 3 page 52 to VDE 0100
2. Max. operating Voltage DC	: 675 V / 1125 V	7. Derating	: see Table 3 page 52 to VDE 0100
3. Test Voltage AC	: 3000 V	8. Specification	: according to VDE 0250
4. Conductor resistance	: to DIN/VDE 0295 Class 5	9. Expansion ratio	: max. 1:3
5. Temperature range	: mobile – 5 °C to + 70 °C fixed – 30 °C to + 70 °C	10. Tensile stress	: not to exceed 15N/mm <sup>2</sup> of total core cross section of largest core size
		11. Marking	: please enquire

No. of cores and rated cross section	approx. expanded length $l_1$	approx. ambushed length $l_2$	$l_3$ tail	$l_4$ tail	$d_1$ I.D. approx.	$d_2$ O.D. approx.
mm <sup>2</sup>	in mm	mm	mm	mm	mm	mm

#### HELIFLEX PVC/PUR – J

4 x 0,75	1500	500	200	600	11	24
4 x 0,75	3000	1000	200	600	11	24
4 x 0,75	4500	1500	200	600	11	24
4 x 0,75	6000	2000	200	600	11	24
4 x 1,5	1500	500	200	600	12	28
4 x 1,5	4500	1500	200	600	12	28
7 x 1,5	1500	500	200	600	18	38
7 x 1,5	4500	1500	200	600	18	38
4 x 2,5	4500	1500	200	600	25	45
5 x 2,5	1500	500	200	600	25	49
5 x 2,5	3000	1000	200	600	25	49
5 x 2,5	4500	1500	200	600	25	49
5 x 2,5	6000	2000	200	600	25	49
4 x 4,0	5000	1500	200	600	28	55
4 x 4,0	6000	2000	200	600	28	55

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.