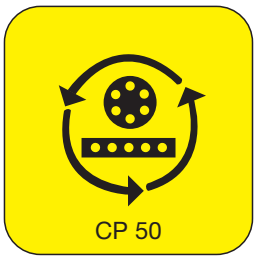
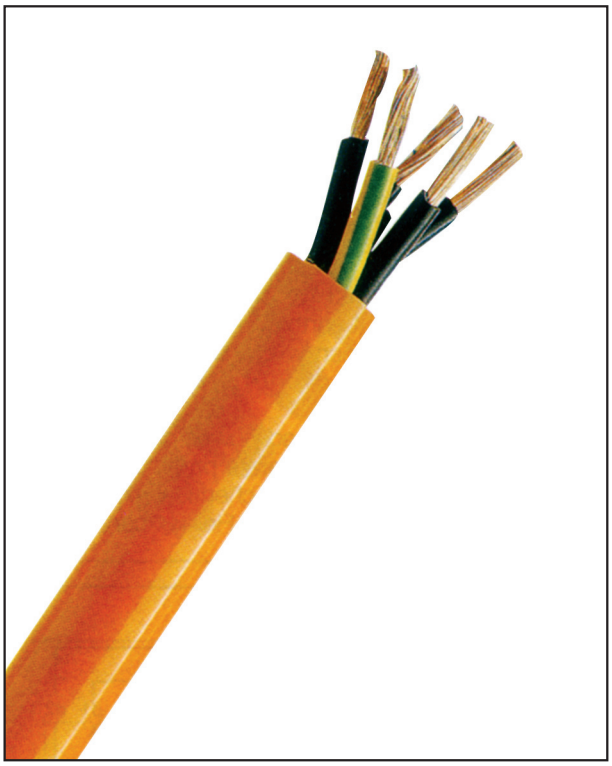
TRAILING CABLE – PURX

POLYURETHANE FLEXIBLE POWER & CONTROL CABLE ACC. TO VDE 0250 SPEC., VOLTAGE 600 V



FOR ELEVATED TO HIGH MECHANICAL STRESSES



CONSTRUCTION

Conductors of copper, finely stranded to class 5, cores PVC insulated, laid up, optional PVC bedding, polyurethane sheathed, halogen free, orange/grey.

Please Note: Powermite Purx cables can provide for PUR and/or PETP insulated Class 6 stranded cores, special cold stabilised compounds and sheathing material which operate well under rubbing / mechanical stress and abrasion demands. An assortment of colours are available.

CORE IDENTIFICATION to VDE 0293

Black cores with white numbers

Cable description bearing – J with green/yellow earth core

APPLICATION:

PURX cables can be used indoors (special PURX outdoors) in dry (special PURX in damp and wet) rooms as Power, Control and Instrumentation cable. It is suitable for fixed and flexible applications with unrestricted movement, but not for forced guided movement. Notch, abrasion and oil resistance as well as shape memory makes the PURX cable an often used cable in all different kinds of industries.

For chemical resistance table refer to page 58 Table 13

TECHNICAL DATA

1. Max. operating Voltage AC	:	600 V
2. Max. operating Voltage DC	:	900 V
3. Test Voltage AC	:	3000 V
4. Conductor resistance	:	to VDE 0295, Class 5
5. Temperature range	:	mobile + 5 °C to + 70 °C
		fixed – 40 °C to + 70 °C
		Special PURX
		mobile – 40 °C to + 90 °C
		fixed – 50 °C to + 90 °C
6. Current Capacity	:	see Table 3 page 52 to VDE 0100
7. Derating	:	see Table 3 page 52 to VDE 0100
8. Specification	:	acc. to VDE 0250/0282 Part 818
9. Min. bending radius	:	mobile 6 x cable O.D.
		fixed 4 x cable O.D.
10. Tensile stress	:	not to exceed 15 N/mm² to VDE of total cross section of largest core size
11. Marking	:	printed

No. of cores and rated cross section	max. diameter of single strands	approx. outer dimension	weight approx.
mm²	mm	mm	kg/km
PURX-J			
3 x 0,75	0,21	6,3	57
4 x 0,75	0,21	6,9	70
5 x 0,75	0,21	7,5	83
7 x 0,75	0,21	8,2	107
12 x 0,75	0,21	11,2	172
18 x 0,75	0,21	13,1	244
25 x 0,75	0,21	16,0	343
3 x 1	0,21	6,5	66
4 x 1	0,21	7,1	82
5 x 1	0,21	7,8	98
7 x 1	0,21	8,5	127
12 x 1	0,21	11,6	205
18 x 1	0,21	13,6	294
25 x 1	0,21	16,6	412

No. of cores and rated cross section	max. diameter of single strands	approx. outer dimension	weight approx.
mm²	mm	mm	kg/km
PURX-J			
3 x 1,5	0,26	7,2	87
4 x 1,5	0,26	7,8	108
5 x 1,5	0,26	8,6	130
7 x 1,5	0,26	9,4	171
12 x 1,5	0,26	12,9	410
3 x 2,5	0,26	8,5	132
4 x 2,5	0,26	9,3	165
5 x 2,5	0,26	10,6	207
7 x 2,5	0,26	11,6	274
12 x 2,5	0,26	15,8	439
4 x 4	0,31	13,6	317
5 x 4	0,31	15,2	388
4 x 6	0,31	15,7	439
4 x 10	0,41	21,5	782

Sizes, cores and designs not mentioned here are available on request.

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