

Datasheet YSL11Y

Version 1/2009

PUR Control Cable

Application:

Used as energy or connecting cable, as measuring, checking and control cable in machine tool manufacturing, plant engineering and on assembly lines and production lines to meet stringent safety requirements. Suitable for fixed installation or flexible applications with unrestricted mobility without forced movement control and without exposure to tensile load. Installation in dry and moist rooms. Further benefits include exceptional resistance to mechanical influences, high abrasion resistance and impact strength, excellent resistance to oil.



Construction:

- 1 fine-stranded bare copper
- 2 core insulation of polyvinylchloride (PVC)
- 3 outer sheath of polyurethane (PUR), grey, oil resistant

According to:

adapted to DIN VDE 0281
DIN EN 60228 class 5 (construction)
core identification JZ: 1 core green/yellow, other cores black with figures
core identification OZ: every core black with figures

Technical data:

Nominal voltage U ₀ /U		[V]	300 / 500 Volt
Test voltage		[V] _{AC}	3000
Temperature range	in motion		- 5 °C till +70 °C
	fixed		-40 °C till +70 °C
Bending radius	one time / fixed	x diameter	6
Bending radius	in motion	x diameter	20
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section mm ²	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Weight appr. kg / km
2 x 0,75	15,0	24 x 0,21	5,4	43
3 x 0,75	22,5	24 x 0,21	5,7	61
4 x 0,75	30,0	24 x 0,21	6,2	75
5 x 0,75	37,5	24 x 0,21	6,7	100
7 x 0,75	52,5	24 x 0,21	7,3	125
2 x 1	20,0	32 x 0,21	5,7	57
3 x 1	30,0	32 x 0,21	6,0	80
4 x 1	40,0	32 x 0,21	6,5	106
5 x 1	50,0	32 x 0,21	7,1	123
7 x 1	70,0	32 x 0,21	8,0	149
2 x 1,5	30,0	30 x 0,26	6,3	100
3 x 1,5	45,0	30 x 0,26	6,7	110
4 x 1,5	60,0	30 x 0,26	7,2	125
5 x 1,5	75,0	30 x 0,26	8,1	145
7 x 1,5	105,0	30 x 0,26	8,9	195
3 x 2,5	75,0	48 x 0,26	8,1	170
4 x 2,5	100,0	48 x 0,26	8,9	180
5 x 2,5	125,0	48 x 0,26	10,0	190