YSLY Intrinsically Safe

PVC Control Cable for Intrinsically Safe Circuits with Blue Outer Sheath

Application: Suitable for dry, damp and wet locations as well as in areas with explosion hazard but not in the open-air. To be used as a connection and control cable for the application in intrinsically safe circuits for medium-level mechanical stress.

Construction:
1 ..... fine-stranded bare copper
2 ..... core insulation of polyvinylchloride (PVC)
3 ..... outer sheath of polyvinylchloride (PVC), blue, increased oil resistant

Information:
Capacity: Core / Core appox. 120 nF/km
Inductivity: approx. 0,65 mH/km

Standards:
adapted to DIN VDE 0285-525-1
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 Uo/U		[V]	300 / 500 Volt
Test voltage		$[V]_{AC}$	2000
Temperature range	in motion		- 5°C till +70°C
	fixed		-30°C till +70°C
Operating temperature	short circuit	°C	150°C
Short circuit time	max.	[sec]	5
Bending radius	one time / fixed	x diameter	6
	in motion	x diameter	15
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section mm²	from stock J	from stock O	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	5,3	42
3 x 0,75		●	22,5	24 x 0,21	5,5	50
4 x 0,75		●	30,0	24 x 0,21	6,2	64
5 x 0,75	○		37,5	24 x 0,21	6,7	77
7 x 0,75		○	52,5	24 x 0,21	7,4	99
25 x 0,75	○	●	187,5	24 x 0,21	13,9	333
2 x 1		●	20,0	32 x 0,21	5,5	50
7 x 1		○	70,0	32 x 0,21	8,0	114
18 x 1	●		180,0	32 x 0,21	12,7	303
2 x 1,5		●	30,0	30 x 0,26	6,3	63
3 x 1,5	●	●	45,0	30 x 0,26	6,6	79
4 x 1,5	●	●	60,0	30 x 0,26	7,3	98
5 x 1,5	●		75,0	30 x 0,26	8,1	123
7 x 1,5	●		105,0	30 x 0,26	8,9	161
12 x 1,5	●		180,0	30 x 0,26	11,8	277

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