

Datasheet

Version 1/2009

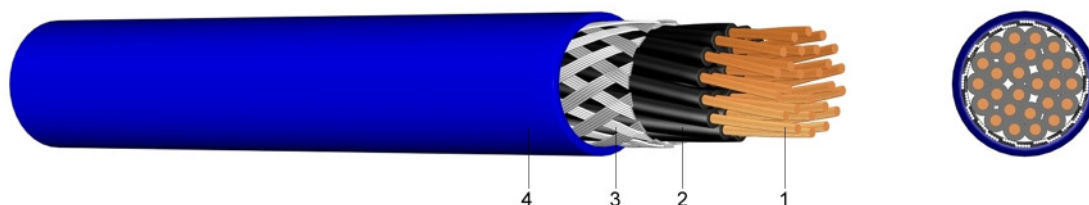
YSLCY

Intrinsically Safe

PVC Control Cable for Intrinsically Safe Circuits with Copper Braiding and Blue Outer Sheath

Application:

For dry, humid and wet locations as well as areas with explosion hazard, but not in the open-air. To be used as an MSR cable for the application in intrinsically safe circuits. The copper braiding optimises protection against external electrical and magnetic interferences. The cable is suitable for medium-level mechanical stress.



Construction:

- 1 fine-stranded bare copper
- 2 core insulation of polyvinylchloride (PVC)
- 3 braiding of tinned copper wires
- 4 outer sheath of polyvinylchloride (PVC), blue, increased oil resistant

Information:

Capacity:

core / core : appr. 150 nF/km and core / screen : app. 200 nF/km

Inductivity: approx. 0,65 mH/km

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}	2000
Temperature range	in motion		-5 °C till +70 °C
	fixed		-30 °C till +70 °C
Operating temperature	short circuit	°C	150
Short circuit time	max.	[sec]	5
Bending radius	one time / fixed	x diameter	10
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	43	24 x 0,21	6,2	56
3 x 0,75	52	24 x 0,21	6,5	70
4 x 0,75	61	24 x 0,21	7,0	96
5 x 0,75	72	24 x 0,21	7,8	157
7 x 0,75	89	24 x 0,21	8,4	168
12 x 0,75	138	24 x 0,21	10,9	231
18 x 0,75	211	24 x 0,21	12,8	314
25 x 0,75	280	24 x 0,21	15,2	434
2 x 1,5	65	30 x 0,26	7,1	97
3 x 1,5	82	30 x 0,26	7,6	124
4 x 1,5	100	30 x 0,26	8,2	166
5 x 1,5	119	30 x 0,26	9,0	192
7 x 1,5	154	30 x 0,26	9,8	245