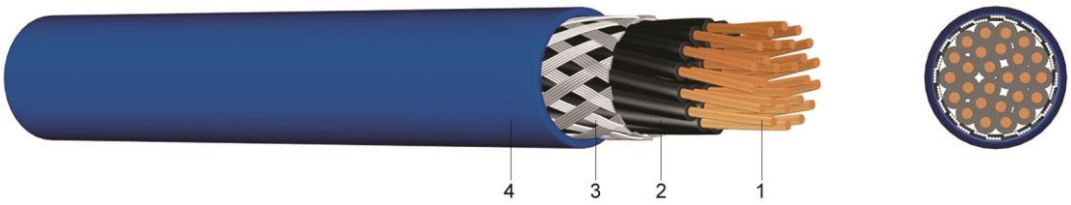
YSLCY
Intrinsically Safe

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

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	10
Bending radius	in motion	x diameter	20
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section mm²		O	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