

YSLYCY x (0.5-2.5)mm²

CU/PVC/PVC BD/WB/ PVC



Shielded Flexible Control Cable /Small Bending Radius / Flame Retardant Characteristic

Construction

Conductor:	bare copper conductor, fine wired stranded, class 5 acc. to IEC 60228 / HD 383 / DIN VDE 0295
Insulation:	PVC compound TI2 acc. to HD 21.1 / DIN VDE 0281 or YI2 acc. to VDE 0207.4, with green-yellow core, always in external layer (≥ 3 cores) or without green-yellow core
core marking:	(acc. to DIN VDE 0293) black numbered or coloured
Inner sheath:	PVC Compound
Screen:	braid of Copper or tinned copper wires with min 80% Coverage
External Sheath:	PVC compound TM2 acc. to HD 21.1 / DIN VDE 0281 or YM2 acc. to VDE 0207.5
sheath colour:	grey (RAL 7001) or transparent

Abbreviations

G = with green-yellow conductor
 x = without green-yellow conductor (OZ)
 FI: reduced flame propagation



Technical data

Temperature range:

During installation:	-5 °C up to +50 °C
fixed installed:	-30 °C up to +70 °C

Short circuit temperature +150 °C

ambient temperature at storage: up to 40 °C

Working Voltage: 300/500 V

Test voltage :core/core 2000 V AC for 5 Min

Min. Bending Radius:

fixed installation: $6 \times \Phi \times \text{Cable}$;
 moved application: $20 \times \Phi \times \text{Cable}$;

Behavior in fire: IEC 60332-1
 Flame propagation: IEC 60332-3 cat.A

Conductor resistance: Acc to IEC 60228

Cross Section mm ²	Conductor resistance at 20 °C	Current Carrying Capacity	Insulation thickness	INSULATION RESISTANCE
0.5	39	6 A	0.6	20 MΩ.km
0.75	26	13 A	0.6	
1.0	19.5	16 A	0.6	
1.5	13.3	20 A	0.6	
2.5	7.98	25 A	0.7	

Design Standards:

DIN VDE 0250
 Generally to BS EN 50525-2-51
 IEC 60227-7

Application:

Flexible signal cable used for surveillance and control of static or mobile devices in industry, electric plants or offices. Screen of braided copper wires serves as protection against electromagnetic impacts and signal disturbances. Resistant to medium mechanical loads, used for fixed or limitedly mobile installations (not permanently mobile) without strain. Installed in dry or damp premises, outdoor application only under protection against UV-irradiation. Not intended for laying in ground or water.

NOTE:

- With Their Flexible Design They Can Easily Be Used In Narrow Spaces
- These Cables Are Not Suitable For Outdoor Use
- YSLYCY-JZ: Black numbered conductors with yellow/green
- YSLYCY-OZ: Black numbered conductors without yellow/green.

YSLYCY $\times (0.5-2.5)mm^2$

CU/PVC/PVC BD/WB/ PVC

Code No.	No. of cores	External diameter	Sheath thickness	Cable weight	Packing*
	N x mm ²	approx. mm	nominal mm	approx. kg/km	
Cross Section :0.5					
4935	3	8.6	1.0	110	Cut
4945	4	9.4	1.0	130	Cut
4955	5	10.4	1.2	155	Cut
4975	7	11.1	1.2	180	Cut
49105	10	12.8	1.2	230	Cut
49125	12	13.9	1.2	300	Cut
49185	18	16.8	1.5	400	Cut
49255	25	19.5	1.8	520	Cut
49345	34	21.8	1.8	660	Cut
49505	50	26.1	2.1	950	Cut
49615	61	27.2	2.1	1065	Cut
Cross Section :0.75					
4937	3	9.0	1.0	120	Cut
4947	4	10.2	1.2	155	Cut
4957	5	10.9	1.2	180	Cut
4977	7	11.6	1.2	210	Cut
49107	10	13.6	1.2	290	Cut
49127	12	14.5	1.2	350	Cut
49187	18	17.6	1.5	465	Cut
49257	25	20.6	1.8	610	Cut
49347	34	23.5	1.8	810	Cut
49507	50	27.6	2.1	1120	Cut
49617	61	29.4	2.1	1300	Cut
Cross Section :1.0					
49310	3	9.6	1.0	140	Cut

Code No.	No. of cores	External diameter	Insulation thickness	Cable weight	Packing*
	N x mm ²	approx. mm	nominal mm	approx. kg/km	
Cross Section :1.5					
49315	3	1.6	1.2	175	Cut
49415	4	11.3	1.2	200	Cut
49515	5	12.1	1.2	240	Cut
49715	7	13.2	1.2	290	Cut
491015	10	15.2	1.5	420	Cut
491215	12	17.6	1.5	520	Cut
491815	18	20.3	1.8	675	Cut
492515	25	24.5	2.1	910	Cut
493415	34	27.5	2.1	1210	Cut
495015	50	32.1	2.4	1680	Cut
496115	61	34.1	2.4	1920	Cut
Cross Section :2.5					
49325	3	11.8	1.2	12.0	Cut
49425	4	13.1	1.2	285	Cut
49525	5	14.3	1.2	350	Cut
49725	7	15.4	1.2	430	Cut
491025	10	17.4	1.8	560	Cut
491225	12	20.7	1.8	760	Cut
491825	18	24.8	2.1	1015	Cut
492525	25	28.9	2.1	1360	Cut
493425	34	33.1	2.4	1820	Cut
495025	50	39.8	2.7	2520	Cut
496125	61	41.2	2.7	2960	Cut

*)Packing: CUT= cable in different lengths on drum or reel, possible cutting at required