

YSLY x (0.5-0.75)mm²

CU/PVC/PVC



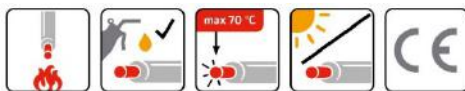
Flexible Control Cable / Small Bending Radius / Flame Retardant Characteristic

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, cores stranded in layers
Sheath:	PVC compound TM2 acc. to HD 21.1 / DIN VDE 0281 or YM2 acc. to VDE 0207.5
sheath colour:	grey (RAL 7001)-Black (Ral 9005)

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:	10x Φ x Cable ;
Min Insulation Resistance:	$\geq 0.50 \text{ mm}^2 = 20 \text{ M}\Omega \cdot \text{km}$
Behavior in fire:	IEC 60332-1
Flame propagation:	IEC 60332-3 cat.A

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 0285-525-2-51
 Generally to BS EN 50525-2-51
 IEC 60227-7

Application:

These types of cables are used in office equipment, electronic control systems, air condition systems, power stations, engineering projects for control, vision and measurement purposes. These can be used in wet or dry indoor applications but for outdoor use, UV protected PVC must be used where the cable is exposed to sunlight.

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Cross section: 0.5 mm²

Code No.	Dimensions – number of cores x conductor cross- section	Construction	Insulation thickness	sheath thickness	External diameter	Cable weight	Packing*
			nom. mm	Nom. mm	nom. mm	Nom. kg/km	
	N x mm ²						
4725	2 x 0,5	16 x 0.19	0.6	0.8	5.8	50	CUT
4735	3 x 0,5	16 x 0.19	0.6	0.8	6.1	60	CUT
4745	4 x 0,5	16 x 0.19	0.6	0.8	6.7	70	CUT
4755	5 x 0,5	16 x 0.19	0.6	0.8	7.1	80	CUT
4775	7 x 0,5	16 x 0.19	0.6	1.0	8.1	115	CUT
4785	8 x 0,5	16 x 0.19	0.6	1.0	9.7	130	CUT
4795	9 x 0,5	16 x 0.19	0.6	1.0	9.9	140	CUT
47105	10 x 0,5	16 x 0.19	0.6	1.2	11.0	160	CUT
47125	12 x 0,5	16 x 0.19	0.6	1.2	11.5	170	CUT
47145	14 x 0,5	16 x 0.19	0.6	1.2	11.9	195	CUT
47155	15 x 0,5	16 x 0.19	0.6	1.2	12.8	220	CUT
47185	18 x 0,5	16 x 0.19	0.6	1.2	13.4	250	CUT
47215	21 x 0,5	16 x 0.19	0.6	1.2	13.9	280	CUT
27255	25 x 0,5	16 x 0.19	0.6	1.5	16.1	350	CUT
47325	32 x 0,5	16 x 0.19	0.6	1.5	17.1	390	CUT
47345	34 x 0,5	16 x 0.19	0.6	1.2	17.6	430	CUT
47405	40 x 0,5	16 x 0.19	0.6	1.8	19.3	400	CUT
47425	42 x 0,5	16 x 0.19	0.6	1.8	15,6	405	CUT
47505	50 x 0,5	16 x 0.19	0.6	1.8	17,2	490	CUT
47615	61 x 0,5	16 x 0.19	0.6	1.8	18.5	538	CUT
47655	65 x 0,5	16 x 0.19	0.6	2.1	23.5	820	CUT

Cross section: 0.75 mm²

Code No.	Dimensions – number of cores x conductor cross- section	Construction	Insulation thickness	sheath thickness	External diameter	Cable weight	Packing*
			nom. mm	Nom. mm	nom. mm	Nom. kg/km	
	N x mm ²						
47275	2 x 0.75	24 x 0.195	0.6	0.8	6.4	58	CUT
47375	3 x 0.75	24 x 0.195	0.6	0.8	6.8	70	CUT
47475	4 x 0.75	24 x 0.195	0.6	0.8	7.4	85	CUT
47575	5 x 0.75	24 x 0.195	0.6	1.0	8.5	110	CUT
47775	7 x 0.75	24 x 0.195	0.6	1.0	9.2	135	CUT
47875	8 x 0.75	24 x 0.195	0.6	1.0	10.4	195	CUT
47975	9 x 0.75	24 x 0.195	0.6	1.0	11.0	205	CUT
471075	10 x 0.75	24 x 0.195	0.6	1.2	11.9	220	CUT
471275	12 x 0.75	24 x 0.195	0.6	1.2	12.3	250	CUT
471475	14 x 0.75	24 x 0.195	0.6	1.2	13.1	265	CUT
471575	15 x 0.75	24 x 0.195	0.6	1.2	13.7	280	CUT
471875	18 x 0.75	24 x 0.195	0.6	1.2	14.4	305	CUT
472175	21 x 0.75	24 x 0.195	0.6	1.2	15.2	350	CUT
472575	25 x 0.75	24 x 0.195	0.6	1.5	17.4	420	CUT
473275	32 x 0.75	24 x 0.195	0.6	1.8	19.7	560	CUT
473475	34 x 0.75	24 x 0.195	0.6	1.8	20.4	600	CUT
474075	40 x 0.75	24 x 0.195	0.6	1.8	21.2	660	CUT
474275	42 x 0.75	24 x 0.195	0.6	1.8	21.8	710	CUT
475075	50 x 0.75	24 x 0.195	0.6	1.8	23.7	820	CUT
476175	61 x 0.75	24 x 0.195	0.6	2.1	25.8	990	CUT
476575	65 x 0.75	24 x 0.195	0.6	2.1	26.4	1050	CUT

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

YSLY x (1.0-1.5)mm²

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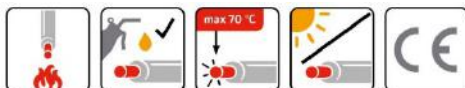
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core marking:	(acc. to DIN VDE 0293) black numbered, cores stranded in layers
Sheath:	PVC compound TM2 acc. to HD 21.1 / DIN VDE 0281 or YM2 acc. to VDE 0207.5
sheath colour:	grey (RAL 7001)-Black(Ral 9005)

Abbreviations

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



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Working Voltage:	300/500 V
Test voltage :core/core	2000 V AC for 5 Min
Min. Bending Radius:	10x Φ x Cable ;
Min Insulation Resistance:	$\geq 0.50 \text{ mm}^2 = 20 \text{ M}\Omega \cdot \text{km}$
Behavior in fire:	IEC 60332-1
Flame propagation:	IEC 60332-3 cat.A

Cross Section mm ²	Conductor resistance at 20 °C	Current Carrying Capacity	Insulation thickness	INSULATION RESISTANCE
0.5	39	6 A	0.6	20 M Ω .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:

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 Generally to BS EN 50525-2-51
 IEC 60227-7

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Cross section: 1.0 mm²

Code No.	Dimensions – number of cores x conductor cross- section	Construction	Insulation	sheath	External	Cable	Packing*
			thickness	thickness			
	N x mm ²		nom. mm	Nom. mm	nom. mm	Nom. kg/km	
4721	2 x 1	31 x 0.195	0.6	0.8	6.6	70	CUT
4731	3 x 1	31 x 0.195	0.6	0.8	7.1	80	CUT
4741	4 x 1	31 x 0.195	0.6	0.8	7.8	100	CUT
4751	5 x 1	31 x 0.195	0.6	1.0	8.9	130	CUT
4771	7 x 1	31 x 0.195	0.6	1.0	9.7	160	CUT
4781	8 x 1	31 x 0.195	0.6	1.0	10.9	210	CUT
4791	9 x 1	31 x 0.195	0.6	1.0	10.9	205	CUT
47101	10 x 1	31 x 0.195	0.6	1.2	12.6	260	CUT
47121	12 x 1	31 x 0.195	0.6	1.2	13.3	280	CUT
47141	14 x 1	31 x 0.195	0.6	1.2	13.8	290	CUT
47151	15 x 1	31 x 0.195	0.6	1.2	14.5	320	CUT
47181	18 x 1	31 x 0.195	0.6	1.5	15.9	385	CUT
47211	21 x 1	31 x 0.195	0.6	1.5	16.6	430	CUT
47251	25 x 1	31 x 0.195	0.6	1.8	19.0	530	CUT
47321	32 x 1	31 x 0.195	0.6	1.8	20.8	660	CUT
47341	34 x 1	31 x 0.195	0.6	1.8	21.6	710	CUT
47401	40 x 1	31 x 0.195	0.6	1.8	22.6	790	CUT
47421	42 x 1	31 x 0.195	0.6	1.8	23.1	850	CUT
47501	50 x 1	31 x 0.195	0.6	2.1	25.8	1015	CUT
47611	61 x 1	31 x 0.195	0.6	2.1	27.2	1190	CUT
47651	65 x 1	31 x 0.195	0.6	2.1	28.1	1260	CUT

Cross section: 1.5 mm²

Code No.	Dimensions – number of cores x conductor cross- section	Construction	Insulation	sheath	External	Cable	Packing*
			thickness	thickness			
	N x mm ²		nom. mm	Nom. mm	nom. mm	Nom. kg/km	
47215	2 x 1.5	31 x 0.23	0.6	0.8	7.3	85	CUT
47315	3 x 1.5	31 x 0.23	0.6	0.8	7.8	100	CUT
47415	4 x 1.5	31 x 0.23	0.6	1.0	8.8	130	CUT
47515	5 x 1.5	31 x 0.23	0.6	1.0	9.8	160	CUT
47715	7 x 1.5	31 x 0.23	0.6	1.2	10.9	200	CUT
47815	8 x 1.5	31 x 0.23	0.6	1.2	12.5	280	CUT
47915	9 x 1.5	31 x 0.23	0.6	1.2	12.6	290	CUT
471015	10 x 1.5	31 x 0.23	0.6	1.2	13.8	325	CUT
471215	12 x 1.5	31 x 0.23	0.6	1.2	14.1	360	CUT
471415	14 x 1.5	31 x 0.23	0.6	1.5	15.5	385	CUT
471515	15 x 1.5	31 x 0.23	0.6	1.5	16.4	425	CUT
471815	18 x 1.5	31 x 0.23	0.6	1.5	17.2	485	CUT
472115	21 x 1.5	31 x 0.23	0.6	1.8	18.7	570	CUT
472515	25 x 1.5	31 x 0.23	0.6	1.8	20.1	670	CUT
473215	32 x 1.5	31 x 0.23	0.6	1.8	22.6	840	CUT
473415	34 x 1.5	31 x 0.23	0.6	1.8	23.6	900	CUT
474015	40 x 1.5	31 x 0.23	0.6	2.1	24.8	1040	CUT
474215	42 x 1.5	31 x 0.23	0.6	2.1	25.8	1120	CUT
475015	50 x 1.5	31 x 0.23	0.6	2.1	27.9	1290	CUT
476115	61 x 1.5	31 x 0.23	0.6	2.1	30.1	1520	CUT

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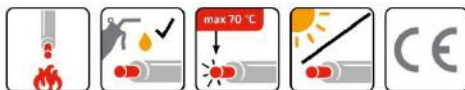
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1.0	19.5	16 A	0.6	
1.5	13.3	20 A	0.6	
2.5	7.98	25 A	0.7	

Design Standards:

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 Generally to BS EN 50525-2-51
 IEC 60227-7

YSLY x (2.5)mm²

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Cross section: 2.5 mm²

Code No.	Dimensions – number of cores x conductor cross- section	Construction	Insulation thickness	sheath thickness	External diameter	Cable weight	Packing*
			nom. mm	Nom. mm	nom. mm	Nom. kg/km	
47225	2 x 2.5	51 x 0.230	0.7	1.0	8.9	130	CUT
47325	3 x 2.5	51 x 0.230	0.7	1.0	9.5	160	CUT
47425	4 x 2.5	51 x 0.230	0.7	1.2	10.8	205	CUT
47525	5 x 2.5	51 x 0.230	0.7	1.2	11.8	250	CUT
47725	7 x 2.5	51 x 0.230	0.7	1.2	12.9	320	CUT
47825	8 x 2.5	51 x 0.230	0.7	1.2	14.9	440	CUT
47925	9 x 2.5	51 x 0.230	0.7	1.2	16.8	515	CUT
471025	10 x 2.5	51 x 0.230	0.7	1.5	17.4	575	CUT
471225	12 x 2.5	51 x 0.230	0.7	1.5	17.4	575	CUT
471425	14 x 2.5	51 x 0.230	0.7	1.8	19.1	600	CUT
471525	15 x 2.5	51 x 0.230	0.7	1.8	20.1	665	CUT
471825	18 x 2.5	51 x 0.230	0.7	1.8	21.1	765	CUT
472125	21 x 2.5	51 x 0.230	0.7	1.8	22.3	865	CUT
472525	25 x 2.5	51 x 0.230	0.7	2.1	25.1	1050	CUT
473225	32 x 2.5	51 x 0.230	0.7	2.1	27.8	1320	CUT
473425	34 x 2.5	51 x 0.230	0.7	2.1	28.6	1420	CUT
474025	40 x 2.5	51 x 0.230	0.7	2.4	30.2	1625	CUT
474225	42 x 2.5	51 x 0.230	0.7	2.4	31.3	1735	CUT
475025	50 x 2.5	51 x 0.230	0.7	2.4	34.3	2025	CUT
476125	61 x 2.5	51 x 0.230	0.7	2.7	36.8	2430	CUT
476525	65 x 2.5	51 x 0.230	0.7	2.7	37.8	2570	CUT

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