

YSLY 300/500 V - Multicore, PVC insulated, control cables



Application

Indoor application, domestic appliances, fix installation in conduits, laying in trench or in cable ducts.

Global data

Standard	PRDS 01/2010 internal specification based on EN 50525-2-51 standard, except for reduced wall thickness and the normal TM2 outersheath material
Type designation	YSLY

Design features

Conductor	bare copper, fine wire stranded acc. to IEC 60228 Cl. 5
Conductor class	Class 5, multistranded (F)
Insulation	PVC TI2
Outer sheath	PVC TM2
Available colours	Grey
Marking	YSLY-J 5 x 2,5 300/500 V

Electrical parameters

Rated voltage	300/500 V
Test voltage (AC)	2,5 kV

Chemical parameters

Humidity	3K6 acc. to IEC 60721-3-3
Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Minimum installation temperature	-5 °C
Ambient temperature for fix installation min.	-40 °C
Ambient temperature for fix installation max.	70 °C
Ambient temp. in fully flex. operation min.	-5 °C
Ambient temp. in fully flex. operation max.	70 °C

Mechanical parameters

Bending radii min.	15 x D
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Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Delivery length m
2x0,5	4.9	34	39	100
2x0,75	5.3	42	26	100
2x1	5.6	49	19.5	100
2x1,5	6.4	66	13.3	100
2x2,5	7.8	102	7.98	100
3x0,5	5.2	41	39	100
3x0,75	5.6	51	26	100
3x1	5.9	60	19.5	100
3x1,5	6.8	82	13.3	100
3x2,5	8.3	128	7.98	100
3x4	9.8	188	4.95	100
3x6	11.9	279	3.3	100
4x0,5	5.6	49	39	100
4x0,75	6.3	65	26	100
4x1	6.6	76	19.5	100
4x1,5	7.4	101	13.3	100
4x2,5	9.2	161	7.98	100
4x4	11	242	4.95	100
4x6	13	349	3.3	100
4x10	16.4	577	1.91	100
4x16	20	875	1.21	500, 1000
4x25	24.9	1363	0.78	500, 1000
4x35	28.4	1828	0.554	500, 1000
4x50	34	2606	0.386	500, 1000
5x0,5	6.3	63	39	100
5x0,75	6.9	80	26	100
5x1	7.3	95	19.5	100
5x1,5	8.3	128	13.3	100
5x2,5	10.1	199	7.98	100
5x4	12.3	303	4.95	100
5x6	14.5	435	3.3	100
5x10	18.3	719	1.91	100
5x16	22.6	1105	1.21	100
5x25	27.7	1692	0.78	100
5x35	31.7	2277	0.554	100
5x50	38.3	3276	0.386	100
7x0,5	6.9	78	39	100
7x0,75	7.5	100	26	100
7x1	8.1	122	19.5	100
7x1,5	9.2	165	13.3	100
7x2,5	11.2	257	7.98	100
7x4	13.6	391	4.95	100
7x6	16.2	570	3.3	100
7x10	20.2	933	1.91	100
7x16	24.8	1427	1.21	100
10x0,5	8.5	106	39	100
10x0,75	9.5	140	26	100
10x1	10.1	169	19.5	100

Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Delivery length m
10x1,5	11.2	221	13.3	100
10x2,5	14.5	369	7.98	100
12x0,5	8.8	121	39	100
12x0,75	9.8	161	26	100
12x1	10.4	195	19.5	100
12x1,5	12	267	13.3	100
12x2,5	14.9	428	7.98	100
18x0,5	11	194	39	100
18x0,75	12.2	255	26	100
18x1	12.9	304	19.5	100
18x1,5	14.6	409	13.3	100
18x2,5	18.2	654	7.98	100
25x0,5	12.9	251	39	100
25x0,75	14.3	331	26	100
25x1	15.3	402	19.5	100
25x1,5	17.4	545	13.3	100
25x2,5	21.6	866	7.98	500, 1000
34x0,5	14.9	341	39	500, 1000
34x0,75	17.9	554	26	500, 1000
34x1	16.7	456	19.5	500, 1000
34x1,5	20.2	745	13.3	500, 1000
34x2,5	25	1181	7.98	500, 1000
50x0,5	17.9	491	39	500, 1000
50x0,75	19.8	645	26	500, 1000
50x1	21.2	785	19.5	500, 1000
50x1,5	24.2	1072	13.3	500, 1000
50x2,5	30	1704	7.98	500, 1000