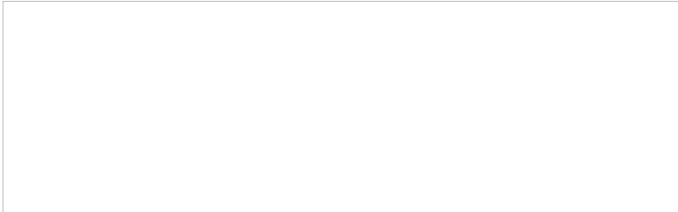


YSLY 300/500V CPR E

Instrumentation control cables



PRODUCT FAMILY DESCRIPTION

Indoor application, domestic appliances, fixed installation in conduits, laying in trench or in cable ducts. Flexible signal cable used for surveillance and control of static or mobile devices in industry, electric plants or offices. Lightweight and relatively thin, 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.

GENERAL INFORMATION

Brand	Prysmian
Application	Building Installations;Industrial Installations;Industrial Automation

STANDARDS



PRDS 01/2010 internal specification based on EN 50525-2-51	General
EN 50525-2-51	General
EN 60332-1-2	Fire performance

CABLE-DESIGN

Conductor material	Copper
Conductor surface	Bare
Core identification (acc. HD 308 S2)	Yes
Core insulation material	Polyvinyl chloride (PVC)
Material outer sheath	Polyvinyl chloride (PVC)
Cable shape	Round

CHARACTERISTICS

Bending radius (rule)	During installation: 4-8 x D
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CHEMICAL PROPERTIES

Silicon free	Yes
Lead free	Yes
Flame retardant	In accordance with EN/IEC 60332-1-2
CPR reaction to fire	Eca

ELECTRICAL & THERMAL PARAMETERS

Nominal voltage U ₀ [V]	300
Nominal voltage U [V]	500
Test voltage [kV]	2
Rated voltage U ₀ /U (Um)	300/500 V
Max. conductor temperature [°C]	70
Max. conductor temperature at short circuit [°C]	160
Minimum temperature for fix installation [°C]	-40
Maximum temperature for fix installation [°C]	80
Minimum temperature for flexible installation [°C]	-5
Maximum temperature for flexible installation [°C]	80

CABLE PROPERTIES

Type	SAP code	Nominal cross section conductor [mm ²]	Nominal outer diameter [mm]	Basic construction	Conductor resistance at 20° C [Ohm/km]	Short circuit current conductor (1sec) [kA]	Cable weight [kg/km]	DOP number
-OZ	20212393	0.5	4.7	2x0,5	39	0.1	33	1001845
-OZ	20212428	0.75	5.3	2x0,75	26	0.11	43	1001845
-OZ	20212430	0.75	5.3	2x0,75	26	0.11	43	1001845
-OB	20299611	0.75	5.3	2x0,75	26	0.11	43	1001845
-OZ	20212468	1	5.6	2x1	19.5	0.14	50	1001845
-OZ	20211930	1.5	6.4	2x1,5	13.3	0.21	67	1001845
-OZ	20211981	2.5	7.8	2x2,5	7.98	0.33	102	1001845
-OZ	20317795	4	9.3	2x4	4.95	0.51	152	1001845
-JZ	20212395	0.5	5	3x0,5		0.08	39	1001845
-OZ	20212397	0.5	5.2	3x0,5	39	0.1	42	1001845
-OZ	20212434	0.75	5.6	3x0,75	26	0.11	51	1001845
-JB	20297331	0.75	5.6	3x0,75	26	0.11	51	1001845
-JZ	20212432	0.75	5.6	3x0,75		0.11	51	1001845
-OZ	20212470	1	5.9	3x1	19.5	0.14	60	1001845
-JZ	20212469	1	5.9	3x1		0.14	60	1001845
-JB	20347014	1	5.9	3x1	19.5	0.14	60	1001845
-OZ	20211933	1.5	6.8	3x1,5	13.3	0.21	82	1001845
-JZ	20211932	1.5	6.8	3x1,5		0.21	82	1001845
-OZ	20211937	1.5	6.8	3x1,5	13.3	0.21	82	1001845
-JB	20211935	1.5	6.8	3x1,5	13.3	0.21	82	1001845
-JB	20211985	2.5	8.3	3x2,5	7.98	0.33	127	1001845
-JZ	20211983	2.5	8.3	3x2,5		0.33	126	1001845
-JZ	20212010	4	9.8	3x4		0.51	187	1001845
-JZ	20212023	6	11.9	3x6		0.75	279	1001845
-JZ	20212032	10	14.8	3x10		1.23	452	1001845
-JZ	20212399	0.5	5.6	4x0,5		0.08	50	1001845
-OZ	20226487	0.5	5.6	4x0,5	39	0.1	50	1001845
-JZ	20212435	0.75	6.3	4x0,75		0.11	66	1001845
-JB	20297332	0.75	6.3	4x0,75	26	0.11	66	1001845
-OZ	20212437	0.75	6.3	4x0,75	26	0.11	66	1001845
-JB	20345435	1	6.6	4x1	19.5	0.14	77	1001845
-OZ	20212472	1	6.6	4x1	19.5	0.14	77	1001845

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CABLE PROPERTIES

Type	SAP code	Nominal cross section conductor [mm ²]	Nominal outer diameter [mm]	Basic construction	Conductor resistance at 20° C [Ohm/km]	Short circuit current conductor (1sec) [kA]	Cable weight [kg/km]	DOP number
-JZ	20212471	1	6.6	4x1		0.14	77	1001845
-JB	20212473	1	6.6	4x1	19.5	0.14	77	1001845
-JB	20211943	1.5	7.4	4x1,5	13.3	0.21	101	1001845
-OZ	20211941	1.5	7.4	4x1,5	13.3	0.21	101	1001845
-JZ	20211939	1.5	7.3	4x1,5		0.21	98	1001845
-JZ	20211986	2.5	9.2	4x2,5		0.33	160	1001845
-JZ	20212013	4	11	4x4		0.51	243	1001845
-JB	20331879	4	11	4x4	4.95	0.51	242	1001845
-JB	20345436	6	13	4x6	3.3	0.75	349	1001845
-JZ	20212024	6	13	4x6		0.75	349	1001845
-JZ	20212033	10	15.8	4x10		1.23	562	1001845
-JZ	20212040	16	18.7	4x16		1.94	819	1001845
-JZ	20212044	25	23.7	4x25		3	1,302	1001845
-JB	20212046	25	23.7	4x25	0.78	3	1,300	1001845
-JZ	20212051	35	28.8	4x35		4.17	1,836	1001845
-JB	20212052	35	28.8	4x35	0.554	4.17	1,838	1001845
-JB	20212059	50	34	4x50	0.386	5.92	2,610	1001845
-JZ	20212066	70	39.7	4x70		8.25	3,726	1001845
-JB	20212068	70	39.7	4x70	0.272	8.25	3,730	1001845
-JB	20212072	95	45.1	4x95	0.206	11.16	4,828	1001845
-JB	20212076	120	50.7	4x120	0.161	14.06	6,235	1001845
-JZ	20212401	0.5	6.1	5x0,5		0.08	60	1001845
-JB	20297333	0.75	6.9	5x0,75	26	0.11	80	1001845
-JZ	20212439	0.75	6.9	5x0,75		0.11	81	1001845
-JB	20326100	1	7.3	5x1	19.5	0.14	95	1001845
-OZ	20212475	1	7.3	5x1	19.5	0.14	95	1001845
-JZ	20212474	1	7.3	5x1		0.14	95	1001845
-JZ	20211944	1.5	8.3	5x1,5		0.21	127	1001845
-JB	20297334	1.5	8.3	5x1,5	13.3	0.21	127	1001845
-JB	20297335	2.5	10.1	5x2,5	7.98	0.33	196	1001845
-JZ	20211988	2.5	10.1	5x2,5		0.33	195	1001845
-JB	20212016	4	12.3	5x4	4.95	0.51	302	1001845

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CABLE PROPERTIES

Type	SAP code	Nominal cross section conductor [mm ²]	Nominal outer diameter [mm]	Basic construction	Conductor resistance at 20° C [Ohm/km]	Short circuit current conductor (1sec) [kA]	Cable weight [kg/km]	DOP number
-JZ	20212015	4	12.3	5x4		0.51	303	1001845
-JZ	20212026	6	14.5	5x6		0.75	435	1001845
-JB	20212029	6	14.5	5x6	3.3	0.75	434	1001845
-JZ	20212036	10	18.3	5x10		1.23	719	1001845
-JB	20212042	16	20.9	5x16	1.21	1.94	1,021	1001845
-JZ	20212061	16	21.9	5x16		1.94	1,074	1001845
-JB	20212049	25	26.6	5x25	0.78	3	1,627	1001845
-JZ	20212047	25	26.6	5x25		3	1,629	1001845
-JZ	20212054	35	32.1	5x35		4.17	2,281	1001845
-JB	20212056	35	32.1	5x35	0.554	4.17	2,282	1001845
-JZ	20231664	50	38.3	5x50		5.92	3,274	1001845
-JB	20212063	50	38.3	5x50	0.386	5.92	3,278	1001845
-JB	20212070	70	43.3	5x70	0.272	8.25	4,533	1001845
-JB	20212074	95	48.6	5x95	0.206	11.16	5,806	1001845
-JZ	20212441	0.75	7.5	6x0,75		0.11	95	1001845
-JZ	20212403	0.5	6.9	7x0,5		0.08	79	1001845
-JZ	20212443	0.75	7.5	7x0,75		0.11	100	1001845
-JZ	20212476	1	8.1	7x1		0.14	122	1001845
-JZ	20211946	1.5	9.2	7x1,5		0.21	163	1001845
-JB	20211948	1.5	9.2	7x1,5	13.3	0.21	163	1001845
-JZ	20211990	2.5	11.2	7x2,5		0.33	252	1001845
-JB	20211992	2.5	11.2	7x2,5	7.98	0.33	252	1001845
-JZ	20212018	4	13.6	7x4		0.51	390	1001845
-JZ	20212030	6	16.2	7x6		0.75	569	1001845
-JZ	20212037	10	19.8	7x10		1.23	912	1001845
-JZ	20212405	0.5	7.4	8x0,5		0.08	81	1001845
-JZ	20212445	0.75	8.6	8x0,75		0.11	125	1001845
-JZ	20212477	1	8.8	8x1		0.14	129	1001845
-OZ	20211952	1.5	9.7	8x1,5	13.3	0.21	181	1001845
-JZ	20211950	1.5	10.3	8x1,5		0.21	198	1001845
-JZ	20211993	2.5	12.9	8x2,5		0.33	316	1001845
-OB	20210230	1.5	11.4	9x1,5	13.3	0.21	234	1001845

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CABLE PROPERTIES

Type	SAP code	Nominal cross section conductor [mm ²]	Nominal outer diameter [mm]	Basic construction	Conductor resistance at 20° C [Ohm/km]	Short circuit current conductor (1sec) [kA]	Cable weight [kg/km]	DOP number
-JZ	20211953	1.5	10.9	9x1,5		0.21	200	1001845
-JZ	20211997	2.5	13.9	9x2,5		0.33	331	1001845
-JZ	20212407	0.5	8.5	10x0,5		0.08	106	1001845
-JZ	20212447	0.75	9.5	10x0,75		0.11	140	1001845
-JZ	20212478	1	10.1	10x1		0.14	170	1001845
-JZ	20211955	1.5	11.2	10x1,5		0.21	218	1001845
-JZ	20211999	2.5	14.5	10x2,5		0.33	362	1001845
-OB	20259535	2.5	14.5	10x2,5	7.98	0.33	360	1001845
-JZ	20211629	0.5	8.8	12x0,5		0.08	122	1001845
-JZ	20212410	0.5	8.8	12x0,5		0.08	122	1001845
-JZ	20212449	0.75	9.8	12x0,75		0.11	161	1001845
-JZ	20212479	1	10.5	12x1		0.14	195	1001845
-JZ	20211958	1.5	12	12x1,5		0.21	263	1001845
-OZ	20232115	1.5	12	12x1,5	13.3	0.21	263	1001845
-JZ	20212001	2.5	14.9	12x2,5		0.33	418	1001845
-JZ	20212020	4	17.5	12x4		0.51	626	1001845
-JB	20210231	1.5	14.3	8x1,5+5X2,5		0.21	370	1001845
-JZ	20317307	2.5	15.7	13x2,5		0.33	449	1001845
-JZ	20213769	0.75	10.6	14x0,75		0.11	191	1001845
-JZ	20212480	1	11.4	14x1		0.14	233	1001845
-JZ	20211959	1.5	13	14x1,5		0.21	313	1001845
-JZ	20212003	2.5	16	14x2,5		0.33	489	1001845
-JZ	20212481	1	12.3	16x1		0.14	273	1001845
-JZ	20211961	1.5	13.9	16x1,5		0.21	361	1001845
-JZ	20212414	0.5	11	18x0,5		0.08	195	1001845
-JZ	20212455	0.75	12.2	18x0,75		0.11	255	1001845
-JZ	20212482	1	12.9	18x1		0.14	304	1001845
-OZ	20212483	1	12.9	18x1	19.5	0.14	304	1001845
-JZ	20211963	1.5	14.1	18x1,5		0.21	387	1001845
-JZ	20212005	2.5	18.2	18x2,5		0.33	640	1001845
-JZ	20212416	0.5	11.6	21x0,5		0.08	217	1001845
-JZ	20212457	0.75	12.9	21x0,75		0.11	285	1001845

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CABLE PROPERTIES

Type	SAP code	Nominal cross section conductor [mm ²]	Nominal outer diameter [mm]	Basic construction	Conductor resistance at 20° C [Ohm/km]	Short circuit current conductor (1sec) [kA]	Cable weight [kg/km]	DOP number
-JZ	20212484	1	13.7	21x1		0.14	338	1001845
-JZ	20211967	1.5	15.7	21x1,5		0.21	463	1001845
-JZ	20212007	2.5	18.7	21x2,5		0.33	702	1001845
-JZ	20211970	1.5	17.1	24x1,5		0.21	520	1001845
-JZ	20212418	0.5	12.7	25x0,5		0.08	247	1001845
-JZ	20212459	0.75	13.8	25x0,75		0.11	323	1001845
-JZ	20211920	1	14.8	25x1		0.14	398	1001845
-JZ	20211971	1.5	16.8	25x1,5		0.21	527	1001845
-JZ	20212008	2.5	21.1	25x2,5		0.33	843	1001845
-JZ	20212420	0.5	13.8	30x0,5		0.08	306	1001845
-JZ	20212461	0.75	15.9	32x0,75		0.11	430	1001845
-JZ	20212422	0.5	14.9	34x0,5		0.08	342	1001845
-JZ	20212463	0.75	16.1	34x0,75		0.11	433	1001845
-JZ	20211922	1	17.4	34x1		0.14	534	1001845
-JZ	20211974	1.5	19.8	34x1,5		0.21	715	1001845
-JZ	20212424	0.5	16.1	42x0,5		0.08	417	1001845
-JZ	20212465	0.75	18	42x0,75		0.11	555	1001845
-JZ	20211924	1	19.4	42x1		0.14	680	1001845
-JZ	20212466	0.75	19.8	50x0,75		0.11	645	1001845
-JZ	20211926	1	21.2	50x1		0.14	784	1001845
-JZ	20211979	1.5	24.2	50x1,5		0.21	1,055	1001845

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