

**Conductor**

Stranded copper wire
Class 5, IEC 60228

Insulation

PVC, in compliance with EN 50334 insulation colour coding,
black core with white number codes
TI2 EN 50363-3

Sheath

PVC - RAL 7001 Grey
TM2 EN 50363-4-1

Application

It is a flexible PVC insulated and sheathed control cable with number-coded cores. Used in dry or wet interior areas not exposed to mechanical strain. Preferred for mobile installations and confined spaces thanks to its flexible and thin design. Used for measurement and control functions in electronic control systems, production and assembly lines and engineering projects.

YSLY-OZ: black core with white number codes

YSLY-JZ: ground protection conductor (yellow/green), black core with white number codes

Standards TSE K 373, EN 50525-2-51

Fire performance

Vertical flame propagation EN 60332-1-2

EU declaration of conformity

LVD	Low Voltage Directive	2014/35/EU
RoHS	Restriction of Hazardous Substances	2011/65/EU

Specifications**Temperature range**

fixed	-30°C ...+70°C
flexing	0°C ...+50°C

Bending radius

fixed	min.	7.5 x D
flexing	min.	15 x D

Conductor resistance

0.50 mm ² max.	39.0 Ω/km
0.75 mm ² max.	26.0 Ω/km
1.0 mm ² max.	19.5 Ω/km
1.5 mm ² max.	13.3 Ω/km
2.5 mm ² max.	7.98 Ω/km

Insulation resistance min. 20 MΩ x km

Test voltage 2500 V

Operating voltage max. 300/500 V

TECHNICAL DATA SHEET

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
217002	2x0.50 mm ²	4 . 8	9	37
217003	3x0.50 mm ²	5 . 1	14	40
217004	4x0.50 mm ²	5 . 5	18	45
217005	5x0.50 mm ²	6 . 2	23	61
217006	6x0.50 mm ²	6 . 7	27	72
217007	7x0.50 mm ²	6 . 7	32	75
217010	10x0.50 mm ²	8 . 1	45	102
217012	12x0.50 mm ²	9 . 0	55	123
217014	14x0.50 mm ²	9 . 5	64	139
217016	16x0.50 mm ²	10.0	73	153
217018	18x0.50 mm ²	10.7	82	180
217019	19x0.50 mm ²	10.7	87	184
217024	24x0.50 mm ²	12.2	109	231
217027	27x0.50 mm ²	12.8	123	255
217030	30x0.50 mm ²	13.6	137	287
217033	33x0.50 mm ²	14.1	151	311
217036	36x0.50 mm ²	14.7	164	344
217037	37x0.50 mm ²	14.7	169	347

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
217062	2x0.75 mm ²	5 . 2	14	45
217063	3x0.75 mm ²	5 . 5	20	51
217064	4x0.75 mm ²	6 . 2	27	61
217065	5x0.75 mm ²	6 . 7	34	77
217066	6x0.75 mm ²	7 . 5	41	96
217067	7x0.75 mm ²	7 . 5	48	101
217070	10x0.75 mm ²	9 . 1	68	137
217072	12x0.75 mm ²	9 . 8	82	159
217074	14x0.75 mm ²	10.6	96	186
217076	16x0.75 mm ²	11.2	109	206
217078	18x0.75 mm ²	11.9	123	240
217079	19x0.75 mm ²	11.9	130	245
217084	24x0.75 mm ²	13.6	164	310
217087	27x0.75 mm ²	14.2	185	340
217090	30x0.75 mm ²	15.1	206	382
217093	33x0.75 mm ²	15.7	226	417
217096	36x0.75 mm ²	16.3	247	458
217097	37x0.75 mm ²	16.3	253	463

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
217122	2x1 mm ²	5 . 6	18	55
217123	3x1 mm ²	6 . 2	27	65
217124	4x1 mm ²	6 . 7	36	75
217125	5x1 mm ²	7 . 5	45	99
217126	6x1 mm ²	8 . 1	55	117
217127	7x1 mm ²	8 . 1	64	124
217130	10x1 mm ²	9 . 8	91	167
217132	12x1 mm ²	10.8	109	201
217134	14x1 mm ²	11.5	127	230
217136	16x1 mm ²	12.3	146	259
217138	18x1 mm ²	12.9	164	297
217139	19x1 mm ²	12.9	173	304
217144	24x1 mm ²	14.9	219	389
217147	27x1 mm ²	15.7	247	432
217150	30x1 mm ²	16.6	274	482
217153	33x1 mm ²	17.2	301	524
217156	36x1 mm ²	17.9	329	577
217157	37x1 mm ²	17.9	338	584

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
217182	2x1.5 mm ²	6 . 8	27	81
217183	3x1.5 mm ²	7 . 4	40	94
217184	4x1.5 mm ²	8 . 1	53	109
217185	5x1.5 mm ²	9 . 0	66	143
217186	6x1.5 mm ²	9 . 8	80	171
217187	7x1.5 mm ²	9 . 8	93	181
217190	10x1.5 mm ²	12.1	133	251
217192	12x1.5 mm ²	13.2	160	297
217194	14x1.5 mm ²	14.1	187	341
217196	16x1.5 mm ²	15.1	214	386
217198	18x1.5 mm ²	15.8	240	439
217199	19x1.5 mm ²	15.8	254	449
217204	24x1.5 mm ²	18.2	321	573
217207	27x1.5 mm ²	19.3	361	642
217210	30x1.5 mm ²	20.2	401	707
217213	33x1.5 mm ²	21.2	442	782
217216	36x1.5 mm ²	22.0	482	858
217217	37x1.5 mm ²	22.0	495	868

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
217242	2x2.5 mm ²	7 . 8	44	114
217243	3x2.5 mm ²	8 . 3	66	131
217244	4x2.5 mm ²	9 . 2	88	156
217245	5x2.5 mm ²	10.1	111	202
217246	6x2.5 mm ²	11.2	133	246
217247	7x2.5 mm ²	11.2	155	264
217250	10x2.5 mm ²	13.8	222	365
217252	12x2.5 mm ²	15.1	267	434
217254	14x2.5 mm ²	16.3	311	505
217256	16x2.5 mm ²	17.2	356	562
217258	18x2.5 mm ²	18.2	400	648
217259	19x2.5 mm ²	18.2	423	665
217264	24x2.5 mm ²	20.9	535	845
217267	27x2.5 mm ²	22.2	601	949
217270	30x2.5 mm ²	23.4	669	1054
217273	33x2.5 mm ²	24.3	735	1149
217276	36x2.5 mm ²	25.2	802	1260
217277	37x2.5 mm ²	25.2	824	1277

Specifications may vary depending on technical modifications.