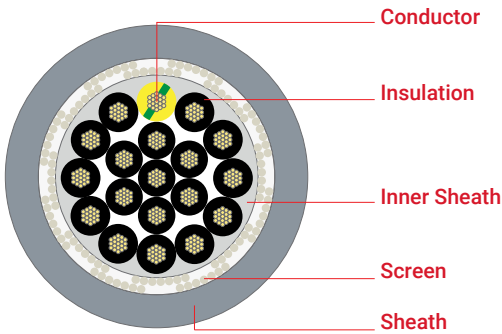




Cable structure



- 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
- Inner Sheath
PVC
TM2 EN 50363-4-1
- Screen
Braided screen made of tinned copper wires
- 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 and braided, tinned copper screen. 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.

YSLYCY-OZ: black core with white number codes
YSLYCYJZ: 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 mm²	max.	39.0 Ω/km
	0.75 mm²	max.	26.0 Ω/km
	1.0 mm²	max.	19.5 Ω/km
	1.5 mm²	max.	13.3 Ω/km
	2.5 mm²	max.	7.98 Ω/km
Insulation resistance		min.	20 MΩ x km
Test voltage			2500 V
Operating voltage		max.	300/500 V

Specifications may vary depending on technical modifications.

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
219002	2x0.50 mm ²	6 . 8	19	69
219003	3x0.50 mm ²	7 . 1	24	74
219004	4x0.50 mm ²	7 . 7	29	85
219005	5x0.50 mm ²	8 . 2	35	101
219006	6x0.50 mm ²	8 . 9	41	119
219007	7x0.50 mm ²	8 . 9	45	122
219010	10x0.50 mm ²	10.1	61	152
219012	12x0.50 mm ²	11.0	72	179
219014	14x0.50 mm ²	11.9	82	208
219016	16x0.50 mm ²	12.4	92	226
219018	18x0.50 mm ²	13.0	107	256
219019	19x0.50 mm ²	13.0	111	260
219024	24x0.50 mm ²	14.7	137	324
219027	27x0.50 mm ²	15.3	152	352
219030	30x0.50 mm ²	15.9	168	382
219033	33x0.50 mm ²	16.6	183	417
219036	36x0.50 mm ²	17.0	197	446
219037	37x0.50 mm ²	17.0	202	449

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
233102	219062	7 . 2	24	80
233103	219063	7 . 7	32	90
233104	219064	8 . 2	40	101
233105	219065	8 . 9	47	124
233106	219066	9 . 5	55	143
233107	219067	9 . 5	62	148
233110	219070	11.1	86	193
233112	219072	12.2	101	230
233114	219074	12.8	116	256
233116	219076	13.6	131	287
233118	219078	14.2	150	324
233119	219079	14.2	157	329
233124	219084	15.9	195	405
233127	219087	16.7	217	447
233130	219090	17.6	239	495
233133	219093	18.4	262	543
233136	219096	18.8	283	579
233137	219097	18.8	290	584

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
219122	2x1 mm ²	7 . 8	29	95
219123	3x1 mm ²	8 . 2	39	105
219124	4x1 mm ²	8 . 9	50	121
219125	5x1 mm ²	9 . 5	60	146
219126	6x1 mm ²	10.1	70	167
219127	7x1 mm ²	10.1	79	175
219130	10x1 mm ²	12.2	110	239
219132	12x1 mm ²	13.0	130	272
219134	14x1 mm ²	14.0	154	317
219136	16x1 mm ²	14.8	174	353
219138	18x1 mm ²	15.4	194	394
219139	19x1 mm ²	15.4	203	401
219144	24x1 mm ²	17.2	252	492
219147	27x1 mm ²	18.4	282	558
219150	30x1 mm ²	19.4	324	625
219153	33x1 mm ²	20.0	354	672
219156	36x1 mm ²	20.7	383	730
219157	37x1 mm ²	20.7	392	737

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
219182	2x1.5 mm ²	9 . 0	40	128
219183	3x1.5 mm ²	9 . 4	54	140
219184	4x1.5 mm ²	10.1	69	159
219185	5x1.5 mm ²	11.0	84	199
219186	6x1.5 mm ²	12.2	99	2 4 2
219187	7x1.5 mm ²	12.2	112	2 5 2
219190	10x1.5 mm ²	14.4	161	3 3 6
219192	12x1.5 mm ²	15.5	190	3 8 9
219194	14x1.5 mm ²	16.6	219	4 4 6
219196	16x1.5 mm ²	17.6	247	4 9 8
219198	18x1.5 mm ²	18.5	276	5 6 5
219199	19x1.5 mm ²	18.5	290	5 7 6
219204	24x1.5 mm ²	21.0	375	7 2 9
219207	27x1.5 mm ²	22.1	418	8 0 7
219210	30x1.5 mm ²	23.0	462	8 7 9
219213	33x1.5 mm ²	24.2	505	9 7 3
219216	36x1.5 mm ²	25.0	548	1056
219217	37x1.5 mm ²	25.0	561	1066

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
219242	2x2.5 mm ²	9 . 8	59	1 6 3
219243	3x2.5 mm ²	10.5	82	1 8 7
219244	4x2.5 mm ²	11.2	106	2 1 2
219245	5x2.5 mm ²	12.5	131	275
219246	6x2.5 mm ²	13.6	154	3 2 7
219247	7x2.5 mm ²	13.6	176	3 4 4
219250	10x2.5 mm ²	16.3	253	4 6 8
219252	12x2.5 mm ²	17.6	300	5 4 6
219254	14x2.5 mm ²	19.1	360	6 4 5
219256	16x2.5 mm ²	20.0	408	7 1 0
219258	18x2.5 mm ²	21.0	455	8 0 4
219259	19x2.5 mm ²	21.0	477	8 2 1
219264	24x2.5 mm ²	23.7	596	1022
219267	27x2.5 mm ²	25.2	668	1148
219270	30x2.5 mm ²	26.4	738	1264
219273	33x2.5 mm ²	27.3	808	1367
219276	36x2.5 mm ²	28.2	876	1485
219277	37x2.5 mm ²	28.2	899	1502

Specifications may vary depending on technical modifications.