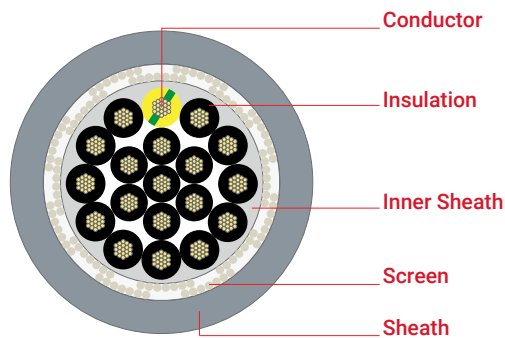




Cable structure



Stranded copper wire
Class 5, IEC 60228

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

PVC
TM2 EN 50363-4-1

Braided screen made of tinned copper wires

PVC - RAL 7001 Grey
TM5 EN 50363-4-1

Application

It is an oil-resistant flexible PVC insulated and sheathed control cable with number-coded cores, 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 design. Used for measurement and control functions in electronic control systems, production and assembly lines and engineering projects.

NYSLYCYÖ-OZ: black core with white number codes

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

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
Oil resistance			EN 60811-404

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

Standards 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 may vary depending on technical modifications.

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
223002	2x0.50 mm ²	8.0	34	102
223003	3x0.50 mm ²	8.4	38	108
223004	4x0.50 mm ²	9.1	47	124
223005	5x0.50 mm ²	9.7	52	144
223006	6x0.50 mm ²	10.5	62	170
223007	7x0.50 mm ²	10.5	66	173
223010	10x0.50 mm ²	12.4	86	225
223012	12x0.50 mm ²	13.6	113	274
223014	14x0.50 mm ²	14.3	123	300
223016	16x0.50 mm ²	15.1	142	337
223018	18x0.50 mm ²	15.7	153	371
223019	19x0.50 mm ²	15.7	157	374
223024	24x0.50 mm ²	17.7	184	455
223027	27x0.50 mm ²	18.7	210	511
223030	30x0.50 mm ²	19.6	226	557
223033	33x0.50 mm ²	20.2	242	593
223036	36x0.50 mm ²	20.9	257	640
223037	37x0.50 mm ²	20.9	262	644

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
223062	2x0.75 mm ²	8.4	38	113
223063	3x0.75 mm ²	9.0	45	125
223064	4x0.75 mm ²	9.5	57	138
223065	5x0.75 mm ²	10.4	64	169
223066	6x0.75 mm ²	11.1	76	195
223067	7x0.75 mm ²	11.1	83	200
223070	10x0.75 mm ²	13.6	126	287
223072	12x0.75 mm ²	14.4	142	318
223074	14x0.75 mm ²	15.4	166	368
223076	16x0.75 mm ²	16.3	181	404
223078	18x0.75 mm ²	16.9	196	444
223079	19x0.75 mm ²	16.9	203	449
223084	24x0.75 mm ²	19.3	253	570
223087	27x0.75 mm ²	20.1	276	615
223090	30x0.75 mm ²	21.1	299	673
223093	33x0.75 mm ²	22.0	322	731
223096	36x0.75 mm ²	22.5	344	777
223097	37x0.75 mm ²	22.5	351	782

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
223122	2x1 mm ²	9.0	47	133
223123	3x1 mm ²	9.4	57	142
223124	4x1 mm ²	10.0	66	155
223125	5x1 mm ²	11.0	80	196
223126	6x1 mm ²	12.1	95	237
223127	7x1 mm ²	12.1	104	244
223130	10x1 mm ²	14.3	151	324
223132	12x1 mm ²	15.4	179	379
223134	14x1 mm ²	16.5	200	429
223136	16x1 mm ²	17.2	220	461
223138	18x1 mm ²	18.3	250	538
223139	19x1 mm ²	18.3	259	545
223144	24x1 mm ²	20.7	311	670
223147	27x1 mm ²	21.5	341	722
223150	30x1 mm ²	22.6	371	793
223153	33x1 mm ²	23.6	401	865
223156	36x1 mm ²	24.3	443	942
223157	37x1 mm ²	24.3	452	948

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
223182	2x1.5 mm ²	10.0	56	165
223183	3x1.5 mm ²	10.7	75	186
223184	4x1.5 mm ²	11.4	89	203
223185	5x1.5 mm ²	12.7	108	262
223186	6x1.5 mm ²	14.0	139	324
223187	7x1.5 mm ²	14.0	152	334
223190	10x1.5 mm ²	16.6	206	440
223192	12x1.5 mm ²	17.9	235	503
223194	14x1.5 mm ²	19.3	275	588
223196	16x1.5 mm ²	20.2	305	637
223198	18x1.5 mm ²	21.2	334	718
223199	19x1.5 mm ²	21.2	347	728
223204	24x1.5 mm ²	23.9	422	893
223207	27x1.5 mm ²	25.6	508	1042
223210	30x1.5 mm ²	26.8	553	1137
223213	33x1.5 mm ²	27.9	597	1233
223216	36x1.5 mm ²	28.6	641	1319
223217	37x1.5 mm ²	28.6	654	1329

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
223242	2x2.5 mm ²	11.4	80	220
223243	3x2.5 mm ²	12.4	107	256
223244	4x2.5 mm ²	13.7	147	308
223245	5x2.5 mm ²	14.9	171	377
223246	6x2.5 mm ²	16.2	205	450
223247	7x2.5 mm ²	16.2	227	467
223250	10x2.5 mm ²	19.4	311	624
223252	12x2.5 mm ²	20.9	359	716
223254	14x2.5 mm ²	22.3	408	812
223256	16x2.5 mm ²	23.6	456	899
223258	18x2.5 mm ²	25.0	516	1041
223259	19x2.5 mm ²	25.0	538	1058
223264	24x2.5 mm ²	28.4	693	1337
223267	27x2.5 mm ²	29.9	766	1475
223270	30x2.5 mm ²	31.5	819	1607
223273	33x2.5 mm ²	32.8	890	1748
223276	36x2.5 mm ²	33.8	961	1889
223277	37x2.5 mm ²	33.8	983	1906

Specifications may vary depending on technical modifications.