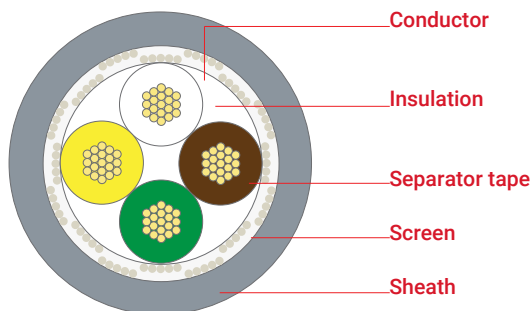




Cable structure



Stranded copper wire
Class 5, IEC 60228

PVC, in compliance with DIN 47100 insulation colour coding
TI52 EN 50290-2-21, YI2 DIN VDE 0207-4

Pet tape min. 100% coverage

Tinned braided copper wire

PVC - RAL 7001 Grey
TM51 EN 50290-2-22, YM1 DIN VDE 0207-5

Application

PVC insulated and sheathed range is used for signal transmission in interior installations. Flexible and slim design provides installation advantages in confined spaces. Used in industrial electronics, computers and office equipment, indoor communication, audio and security systems. The cable is protected against ambient electromagnetic interference by its braided screen.

Upon demand, following customised types with numeric codes can be manufactured.

LIYCY-OZ: black core with white number codes

LIYCY-JZ: ground protection conductor (yellow/green), black & white number coded cores

Standards TSE K 353, DIN VDE 0812

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			
0.22 mm ²	max.		96.0 Ω/km
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.		200 MΩ x km
Test voltage			
0.22 mm ²			1200 V
0.50 mm ²			1200 V
0.75 mm ²			1200 V
1.0 mm ²			1200 V
1.5 mm ²			2500 V
2.5 mm ²			2500 V
Operating voltage	max.		300 V

Specifications may vary depending on technical modifications.

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
203050	2x0.22 mm ²	4.2	9	23
203051	3x0.22 mm ²	4.4	11	27
203052	4x0.22 mm ²	4.7	13	31
203053	5x0.22 mm ²	5.1	16	38
203054	6x0.22 mm ²	5.4	18	43
203055	7x0.22 mm ²	5.4	20	44
203056	8x0.22 mm ²	5.8	23	51
203057	9x0.22 mm ²	6.2	25	57
203058	10x0.22 mm ²	6.8	28	64
203060	12x0.22 mm ²	7.0	33	71
203062	14x0.22 mm ²	7.4	38	80
203064	16x0.22 mm ²	7.8	42	90
203067	19x0.22 mm ²	8.0	48	99

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
203086	2x0.50 mm ²	5.2	14	35
203087	3x0.50 mm ²	5.5	18	42
203088	4x0.50 mm ²	5.9	24	51
203089	5x0.50 mm ²	6.6	29	65
203090	6x0.50 mm ²	7.1	33	75
203091	7x0.50 mm ²	7.1	37	79
203092	8x0.50 mm ²	7.6	43	91
203093	9x0.50 mm ²	8.2	48	104
203094	10x0.50 mm ²	8.8	53	108
203096	12x0.50 mm ²	9.1	61	123
203098	14x0.50 mm ²	10.1	72	151
203100	16x0.50 mm ²	10.6	80	168
203103	19x0.50 mm ²	10.9	93	187

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
203104	2x0.75 mm ²	5.6	19	43
203105	3x0.75 mm ²	6.0	26	53
203106	4x0.75 mm ²	6.6	33	67
203107	5x0.75 mm ²	7.2	39	81
203108	6x0.75 mm ²	7.7	47	95
203109	7x0.75 mm ²	7.7	53	100
203110	8x0.75 mm ²	8.3	61	116
203111	9x0.75 mm ²	9.0	67	133
203112	10x0.75 mm ²	10.0	75	147
203114	12x0.75 mm ²	10.3	88	167
203116	14x0.75 mm ²	11.0	101	191
203118	16x0.75 mm ²	11.6	116	217
203121	19x0.75 mm ²	11.9	135	243

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
203122	2x1 mm ²	5.9	24	49
203123	3x1 mm ²	6.3	32	61
203124	4x1 mm ²	7.0	41	78
203125	5x1 mm ²	7.6	51	96
203126	6x1 mm ²	8.2	60	113
203127	7x1 mm ²	8.2	68	119
203128	8x1 mm ²	8.8	77	137
203129	9x1 mm ²	9.9	87	167
203130	10x1 mm ²	10.6	97	175
203132	12x1 mm ²	11.0	113	201
203134	14x1 mm ²	11.7	132	231
203136	16x1 mm ²	12.5	149	264
203139	19x1 mm ²	12.9	175	299

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
203140	2x1.5 mm ²	7.0	33	70
203141	3x1.5 mm ²	7.5	47	87
203142	4x1.5 mm ²	8.1	59	107
203143	5x1.5 mm ²	8.8	73	131
203144	6x1.5 mm ²	9.9	87	165
203145	7x1.5 mm ²	9.9	99	175
203146	8x1.5 mm ²	10.7	113	203
203147	9x1.5 mm ²	11.6	127	235
203148	10x1.5 mm ²	12.6	141	249
203150	12x1.5 mm ²	13.0	166	286
203152	14x1.5 mm ²	13.9	193	329
203154	16x1.5 mm ²	14.6	219	369
203157	19x1.5 mm ²	15.1	256	421

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
203158	2x2.5 mm ²	7.9	51	96
203159	3x2.5 mm ²	8.4	73	120
203160	4x2.5 mm ²	9.6	94	160
203161	5x2.5 mm ²	10.4	116	196
203162	6x2.5 mm ²	11.3	138	235
203163	7x2.5 mm ²	11.3	158	251
203164	8x2.5 mm ²	12.4	181	297
203165	9x2.5 mm ²	13.4	205	341
203166	10x2.5 mm ²	14.4	226	357
203168	12x2.5 mm ²	14.9	268	415
203170	14x2.5 mm ²	15.9	313	477
203172	16x2.5 mm ²	17.0	355	548
203175	19x2.5 mm ²	17.6	418	629

Specifications may vary depending on technical modifications.