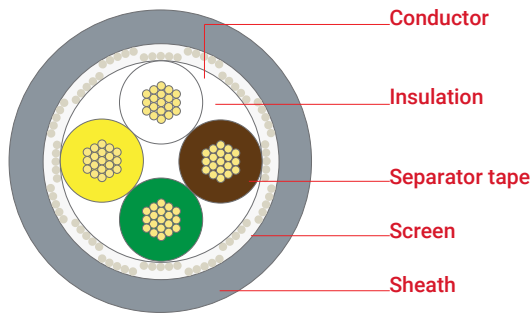




Cable structure



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

Al-Pet tape min. 100% coverage

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 signals from outside by its static screen.

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

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 may vary depending on technical modifications.

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
205050	2x0.22 mm ²	3.7	6	19
205051	3x0.22 mm ²	4.1	8	24
205052	4x0.22 mm ²	4.4	10	28
205053	5x0.22 mm ²	4.7	12	33
205054	6x0.22 mm ²	5.1	14	39
205055	7x0.22 mm ²	5.1	16	40
205056	8x0.22 mm ²	5.4	18	45
205057	9x0.22 mm ²	5.9	20	53
205058	10x0.22 mm ²	6.3	22	55
205060	12x0.22 mm ²	6.7	26	65
205062	14x0.22 mm ²	7.1	30	73
205064	16x0.22 mm ²	7.4	34	81
205067	19x0.22 mm ²	7.7	40	92

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
205086	2x0.50 mm ²	4.9	10	31
205087	3x0.50 mm ²	5.2	14	38
205088	4x0.50 mm ²	5.6	18	46
205089	5x0.50 mm ²	6.1	23	56
205090	6x0.50 mm ²	6.8	27	69
205091	7x0.50 mm ²	6.8	31	72
205092	8x0.50 mm ²	7.3	35	84
205093	9x0.50 mm ²	7.9	39	96
205094	10x0.50 mm ²	8.5	43	100
205096	12x0.50 mm ²	8.7	52	113
205098	14x0.50 mm ²	9.7	60	138
205100	16x0.50 mm ²	10.3	68	157
205103	19x0.50 mm ²	10.6	81	176

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
205104	2x0.75 mm ²	5.3	17	41
205105	3x0.75 mm ²	5.6	23	49
205106	4x0.75 mm ²	6.1	29	60
205107	5x0.75 mm ²	6.8	36	76
205108	6x0.75 mm ²	7.4	42	91
205109	7x0.75 mm ²	7.4	48	95
205110	8x0.75 mm ²	7.9	54	108
205111	9x0.75 mm ²	8.6	61	125
205112	10x0.75 mm ²	9.7	67	140
205114	12x0.75 mm ²	10.0	79	160
205116	14x0.75 mm ²	10.6	92	180
205118	16x0.75 mm ²	11.2	104	203
205121	19x0.75 mm ²	11.6	123	232

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
205122	2x1 mm ²	5.6	21	47
205123	3x1 mm ²	5.9	29	57
205124	4x1 mm ²	6.6	38	73
205125	5x1 mm ²	7.2	46	90
205126	6x1 mm ²	7.8	54	107
205127	7x1 mm ²	7.8	62	113
205128	8x1 mm ²	8.4	71	130
205129	9x1 mm ²	9.6	79	160
205130	10x1 mm ²	10.3	88	166
205132	12x1 mm ²	10.6	104	190
205134	14x1 mm ²	11.3	121	217
205136	16x1 mm ²	12.0	137	247
205139	19x1 mm ²	12.6	163	288

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
205140	2x1.5 mm ²	6.7	29	66
205141	3x1.5 mm ²	7.1	42	81
205142	4x1.5 mm ²	7.7	54	100
205143	5x1.5 mm ²	8.4	66	124
205144	6x1.5 mm ²	9.6	79	158
205145	7x1.5 mm ²	9.6	91	168
205146	8x1.5 mm ²	10.4	104	194
205147	9x1.5 mm ²	11.2	116	221
205148	10x1.5 mm ²	12.3	129	237
205150	12x1.5 mm ²	12.7	153	275
205152	14x1.5 mm ²	13.5	178	313
205154	16x1.5 mm ²	14.3	203	356
205157	19x1.5 mm ²	14.8	241	407

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
205158	2x2.5 mm ²	7.6	46	91
205159	3x2.5 mm ²	8.1	66	114
205160	4x2.5 mm ²	8.8	87	143
205161	5x2.5 mm ²	10.0	108	186
205162	6x2.5 mm ²	11.0	128	226
205163	7x2.5 mm ²	11.0	149	242
205164	8x2.5 mm ²	11.8	169	278
205165	9x2.5 mm ²	13.1	190	328
205166	10x2.5 mm ²	14.1	211	343
205168	12x2.5 mm ²	14.6	253	401
205170	14x2.5 mm ²	15.6	294	460
205172	16x2.5 mm ²	16.7	336	532
205175	19x2.5 mm ²	17.3	398	612

Specifications may vary depending on technical modifications.