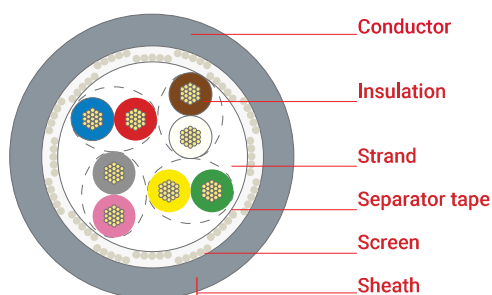


**Cable structure**

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

Pairs are bundled together in stranded layers

Pet tape min. 100% coverage

Tinned braided copper wire

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

Application

Halogen-free insulated and sheathed, twisted-pair cable 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.

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
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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
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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

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
211050	2x2x0.22 mm ²	6 . 0	15	38
211051	3x2x0.22 mm ²	6 . 3	20	47
211052	4x2x0.22 mm ²	7 . 0	24	58
211053	5x2x0.22 mm ²	7 . 6	30	68
211054	6x2x0.22 mm ²	8 . 2	35	79
211056	8x2x0.22 mm ²	8 . 7	43	94
211058	10x2x0.22 mm ²	10.2	54	123
211060	12x2x0.22 mm ²	10.6	62	138

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
211086	2x2x0.50 mm ²	7 . 9	26	64
211087	3x2x0.50 mm ²	8 . 3	36	80
211088	4x2x0.50 mm ²	9 . 1	45	96
211089	5x2x0.50 mm ²	10.3	54	124
211090	6x2x0.50 mm ²	11.2	64	143
211092	8x2x0.50 mm ²	11.9	83	175
211094	10x2x0.50 mm ²	13.6	102	219
211096	12x2x0.50 mm ²	14.2	119	249

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
211104	2x2x0.75 mm ²	8 . 6	36	78
211105	3x2x0.75 mm ²	9 . 0	49	98
211106	4x2x0.75 mm ²	10.3	63	131
211107	5x2x0.75 mm ²	11.2	76	155
211108	6x2x0.75 mm ²	12.4	87	182
211110	8x2x0.75 mm ²	13.2	112	223
211112	10x2x0.75 mm ²	14.9	139	272
211114	12x2x0.75 mm ²	15.5	165	312

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
211122	2x2x1 mm ²	9 . 1	45	89
211123	3x2x1 mm ²	10.0	63	125
211124	4x2x1 mm ²	10.9	80	154
211125	5x2x1 mm ²	11.9	99	184
211126	6x2x1 mm ²	13.2	119	221
211128	8x2x1 mm ²	14.0	152	272
211130	10x2x1 mm ²	15.8	189	332
211132	12x2x1 mm ²	16.7	223	391

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
211140	2x2x1.5 mm ²	11.0	63	131
211141	3x2x1.5 mm ²	11.6	90	170
211142	4x2x1.5 mm ²	13.0	116	217
211143	5x2x1.5 mm ²	14.2	144	261
211144	6x2x1.5 mm ²	15.5	169	303
211146	8x2x1.5 mm ²	16.7	222	389
211148	10x2x1.5 mm ²	19.0	281	480
211150	12x2x1.5 mm ²	19.9	332	556

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
211158	2x2x2.5 mm ²	12.7	99	185
211159	3x2x2.5 mm ²	13.5	141	243
211160	4x2x2.5 mm ²	14.8	185	307
211161	5x2x2.5 mm ²	16.5	230	379
211162	6x2x2.5 mm ²	17.9	273	442
211164	8x2x2.5 mm ²	19.2	364	566
211166	10x2x2.5 mm ²	21.9	450	692
211168	12x2x2.5 mm ²	23.5	535	839

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.