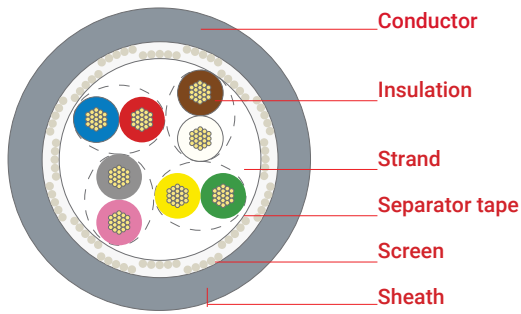




Cable structure



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

PVC 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

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

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.