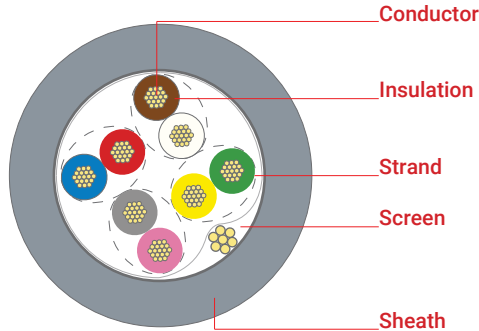




Cable structure



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
Stranded tinned copper drain wire
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, twisted-pair 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]
213050	2x2x0.22 mm ²	5.6	10	32
213051	3x2x0.22 mm ²	5.9	14	40
213052	4x2x0.22 mm ²	6.4	18	48
213053	5x2x0.22 mm ²	7.2	22	61
213054	6x2x0.22 mm ²	7.8	26	69
213056	8x2x0.22 mm ²	8.3	34	85
213058	10x2x0.22 mm ²	9.8	42	111
213060	12x2x0.22 mm ²	10.2	50	126

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
213086	2x2x0.50 mm ²	7.5	18	56
213087	3x2x0.50 mm ²	7.9	27	71
213088	4x2x0.50 mm ²	8.7	35	87
213089	5x2x0.50 mm ²	9.9	43	113
213090	6x2x0.50 mm ²	10.8	52	131
213092	8x2x0.50 mm ²	11.5	68	161
213094	10x2x0.50 mm ²	13.2	85	201
213096	12x2x0.50 mm ²	13.8	102	231

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
213104	2x2x0.75 mm ²	8.2	29	71
213105	3x2x0.75 mm ²	8.6	42	91
213106	4x2x0.75 mm ²	9.9	54	122
213107	5x2x0.75 mm ²	10.8	67	145
213108	6x2x0.75 mm ²	11.8	79	168
213110	8x2x0.75 mm ²	12.8	104	215
213112	10x2x0.75 mm ²	14.5	129	261
213114	12x2x0.75 mm ²	15.1	154	301

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
213122	2x2x1 mm ²	8.7	38	83
213123	3x2x1 mm ²	9.6	54	117
213124	4x2x1 mm ²	10.5	71	144
213125	5x2x1 mm ²	11.5	88	172
213126	6x2x1 mm ²	12.8	104	207
213128	8x2x1 mm ²	13.6	137	257
213130	10x2x1 mm ²	15.4	171	314
213132	12x2x1 mm ²	16.1	204	364

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
213140	2x2x1.5 mm ²	10.6	54	121
213141	3x2x1.5 mm ²	11.2	79	158
213142	4x2x1.5 mm ²	12.6	104	205
213143	5x2x1.5 mm ²	13.8	129	246
213144	6x2x1.5 mm ²	15.1	154	287
213146	8x2x1.5 mm ²	16.1	203	363
213148	10x2x1.5 mm ²	18.5	253	452
213150	12x2x1.5 mm ²	19.4	303	526

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
213158	2x2x2.5 mm ²	12.3	87	172
213159	3x2x2.5 mm ²	13.1	129	230
213160	4x2x2.5 mm ²	14.4	170	291
213161	5x2x2.5 mm ²	15.9	212	353
213162	6x2x2.5 mm ²	17.5	253	423
213164	8x2x2.5 mm ²	18.7	336	537
213166	10x2x2.5 mm ²	21.4	419	660
213168	12x2x2.5 mm ²	23.0	502	805

Specifications may vary depending on technical modifications.