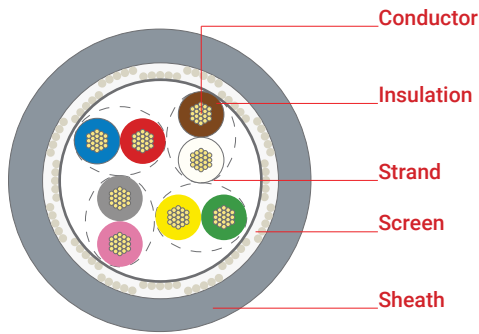




Cable structure



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

Al-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 foil and 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

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]
215050	2x2x0.22 mm ²	6.0	14	37
215051	3x2x0.22 mm ²	6.3	18	45
215052	4x2x0.22 mm ²	7.0	23	58
215053	5x2x0.22 mm ²	7.6	27	66
215054	6x2x0.22 mm ²	8.2	33	77
215056	8x2x0.22 mm ²	8.7	41	92
215058	10x2x0.22 mm ²	10.2	51	121
215060	12x2x0.22 mm ²	10.6	59	136

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
215086	2x2x0.50 mm ²	7.9	25	63
215087	3x2x0.50 mm ²	8.3	34	78
215088	4x2x0.50 mm ²	9.1	43	96
215089	5x2x0.50 mm ²	10.3	52	122
215090	6x2x0.50 mm ²	11.2	62	142
215092	8x2x0.50 mm ²	11.9	79	172
215094	10x2x0.50 mm ²	13.6	98	215
215096	12x2x0.50 mm ²	14.2	115	245

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
215104	2x2x0.75 mm ²	8.6	34	76
215105	3x2x0.75 mm ²	9.0	47	97
215106	4x2x0.75 mm ²	10.3	60	129
215107	5x2x0.75 mm ²	11.2	74	153
215108	6x2x0.75 mm ²	12.4	87	183
215110	8x2x0.75 mm ²	13.2	114	226
215112	10x2x0.75 mm ²	14.9	140	273
215114	12x2x0.75 mm ²	15.5	168	316

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
215122	2x2x1 mm ²	9.1	43	89
215123	3x2x1 mm ²	10.0	60	123
215124	4x2x1 mm ²	10.9	78	152
215125	5x2x1 mm ²	11.9	95	181
215126	6x2x1 mm ²	13.2	114	218
215128	8x2x1 mm ²	14.0	148	269
215130	10x2x1 mm ²	15.8	185	328
215132	12x2x1 mm ²	16.7	218	387

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
215140	2x2x1.5 mm ²	11.0	61	129
215141	3x2x1.5 mm ²	11.6	86	167
215142	4x2x1.5 mm ²	13.0	114	216
215143	5x2x1.5 mm ²	14.2	139	257
215144	6x2x1.5 mm ²	15.5	167	302
215146	8x2x1.5 mm ²	16.7	217	385
215148	10x2x1.5 mm ²	18.9	269	468
215150	12x2x1.5 mm ²	19.8	322	546

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
215158	2x2x2.5 mm ²	12.7	97	183
215159	3x2x2.5 mm ²	13.5	139	242
215160	4x2x2.5 mm ²	14.8	181	303
215161	5x2x2.5 mm ²	16.5	226	376
215162	6x2x2.5 mm ²	17.9	268	438
215164	8x2x2.5 mm ²	19.1	352	554
215166	10x2x2.5 mm ²	21.8	439	682
215168	12x2x2.5 mm ²	23.4	523	829

Specifications may vary depending on technical modifications.