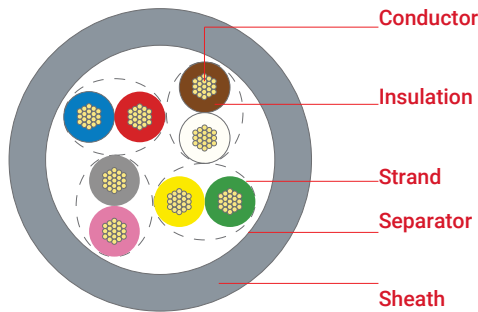




Cable structure



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

Polyester 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.

Upon demand, following customised types with numeric codes can be manufactured.

LIYY-OZ: black core with white number codes

LIYY-JZ: ground protection conductor (yellow/green), black & white number coded cores

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

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.	13.2 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

Specifications may vary depending on technical modifications.

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
209050	2x2x0.22 mm ²	5.5	8	29
209051	3x2x0.22 mm ²	5.8	12	36
209052	4x2x0.22 mm ²	6.3	16	45
209053	5x2x0.22 mm ²	7.1	20	57
209054	6x2x0.22 mm ²	7.7	24	65
209056	8x2x0.22 mm ²	8.2	32	80
209058	10x2x0.22 mm ²	9.7	40	106
209060	12x2x0.22 mm ²	10.1	48	121

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
209086	2x2x0.50 mm ²	7.4	17	52
209087	3x2x0.50 mm ²	7.8	25	66
209088	4x2x0.50 mm ²	8.6	33	83
209089	5x2x0.50 mm ²	9.8	42	108
209090	6x2x0.50 mm ²	10.7	50	126
209092	8x2x0.50 mm ²	11.4	67	156
209094	10x2x0.50 mm ²	13.1	83	196
209096	12x2x0.50 mm ²	13.7	100	226

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
209104	2x2x0.75 mm ²	8.1	25	64
209105	3x2x0.75 mm ²	8.5	37	84
209106	4x2x0.75 mm ²	9.8	50	115
209107	5x2x0.75 mm ²	10.7	62	138
209108	6x2x0.75 mm ²	11.7	75	161
209110	8x2x0.75 mm ²	12.7	100	207
209112	10x2x0.75 mm ²	14.4	125	253
209114	12x2x0.75 mm ²	15.0	150	293

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
209122	2x2x1 mm ²	8.6	33	76
209123	3x2x1 mm ²	9.5	50	109
209124	4x2x1 mm ²	10.4	66	137
209125	5x2x1 mm ²	11.4	83	165
209126	6x2x1 mm ²	12.7	100	199
209128	8x2x1 mm ²	13.5	133	249
209130	10x2x1 mm ²	15.3	166	305
209132	12x2x1 mm ²	16.0	200	355

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
209140	2x2x1.5 mm ²	10.5	50	114
209141	3x2x1.5 mm ²	11.1	74	151
209142	4x2x1.5 mm ²	12.5	99	197
209143	5x2x1.5 mm ²	13.7	124	238
209144	6x2x1.5 mm ²	15.0	149	279
209146	8x2x1.5 mm ²	16.0	199	354
209148	10x2x1.5 mm ²	18.4	249	443
209150	12x2x1.5 mm ²	19.3	298	517

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
209158	2x2x2.5 mm ²	12.2	83	165
209159	3x2x2.5 mm ²	13.0	124	222
209160	4x2x2.5 mm ²	14.3	166	283
209161	5x2x2.5 mm ²	15.8	207	344
209162	6x2x2.5 mm ²	17.4	249	414
209164	8x2x2.5 mm ²	18.6	331	528
209166	10x2x2.5 mm ²	21.3	414	651
209168	12x2x2.5 mm ²	22.3	497	764

Specifications may vary depending on technical modifications.