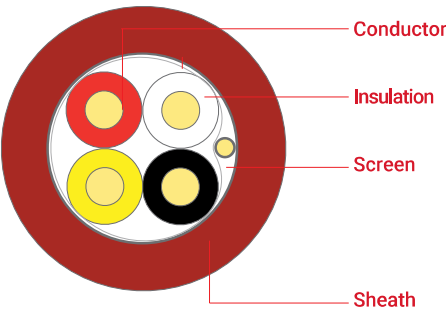




Cable structure



Electrolytic copper wire

- PVC, in compliance with DIN VDE 0815 insulation colour coding
- TI51 EN 50290-2-21, YI1 DIN VDE 0207-4
- Pet tape min. 100% coverage
- Tinned copper drain wire
- Al-Pet tape min. 100% coverage
- Al-Pet tape min. 100% coverage
- PVC, RAL 3000 Red
- TM51 EN 50290-2-22, YM1 DIN VDE 0207-5

Application

PVC insulated and sheathed cable range is used for signal and data transmission in fixed interior installations in dry or wet areas. The cable is protected against ambient electromagnetic interference by its static screen. Used between the control panel and detectors, buttons and field control modules in the fire alarm system.

Standards TSE K 173, DIN VDE 0815

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		min.	-30°C ...+70°C
Bending radius			10 x D
Loop resistance	Ø 0.60 mm max.		130 Ω/km
	Ø 0.80 mm max.		73.2 Ω/km
	Ø 1.0 mm max.		44.4 Ω/km
	1.0 mm² max.		36.2 Ω/km
	1.5 mm² max.		24.2 Ω/km
	2.5 mm² max.		14.8 Ω/km
Insulation resistance		min.	100 MΩ x km
Capacitance		max.	100 nF/km
Capacity imbalance		max.	300 pF/100 m
Test voltage			800 Vac core/core
			800 Vac core/screen
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]
109069	1x2x0.80 mm+0.40 mm	5 . 3	11	34
109070	2x2x0.80 mm+0.40 mm	5 . 9	20	52
109071	3x2x0.80 mm+0.40 mm	7 . 9	29	76
109072	4x2x0.80 mm+0.40 mm	8 . 6	38	92
109073	5x2x0.80 mm+0.40 mm	9 . 4	48	110
109074	6x2x0.80 mm+0.40 mm	10.3	57	129
109076	8x2x0.80 mm+0.40 mm	10.9	75	158
109087	10x2x0.80 mm+0.60 mm	12.8	95	208

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
109135	1x2x1.0 mm+0.80 mm	5.9	19	46
109136	2x2x1.0 mm+0.80 mm	6.7	33	73
109137	3x2x1.0 mm+0.80 mm	9.0	47	104
109138	4x2x1.0 mm+0.80 mm	9.9	61	129

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
109173	1x2x1.0 mm ² +0.80 mm	6 . 4	22	54
109174	2x2x1.0 mm ² +0.80 mm	7 . 3	40	87
109175	3x2x1.0 mm ² +0.80 mm	9 . 9	59	125
109176	4x2x1.0 mm ² +0.80 mm	10.9	77	155

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
109211	1x2x1.5 mm ² +0.80 mm	7 . 3	30	70
109212	2x2x1.5 mm ² +0.80 mm	8 . 3	56	114
109213	3x2x1.5 mm ² +0.80 mm	11.6	83	168
109214	4x2x1.5 mm ² +0.80 mm	13.2	109	224

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]
109230	1x2x2.5 mm ² +0.80 mm	8 . 1	46	92
109231	2x2x2.5 mm ² +0.80 mm	9 . 3	89	156
109232	3x2x2.5 mm ² +0.80 mm	13.5	131	245
109233	4x2x2.5 mm ² +0.80 mm	14.8	173	307