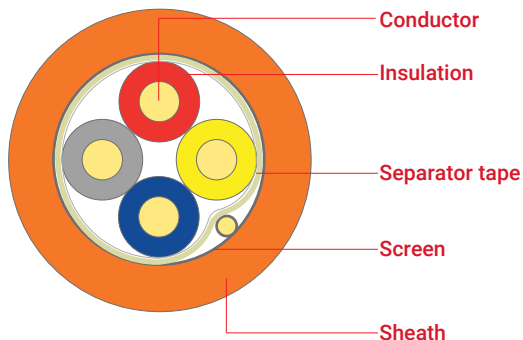




Cable structure



- Electrolytic copper wire
- Halogen-free, cross-linked insulation, In compliance with DIN VDE 0815 insulation colour coding I8 EN 50363-5
- Pet tape min. 100% coverage
- Fibreglass tape min. 100% coverage
- Tinned copper drain wire
- Al-Pet tape min. 100% coverage
- HFFR, RAL 2003 Orange
- 70°C EN 50290-2-27, HM2 DIN VDE 0207-24

Application

Used to control and supply power to devices in a fire alarm system that must remain operational during a fire. Used in emergency lighting and operation of equipment necessary for surveillance and evacuation, and systems that should remain functional for a certain time, such as alarm systems (continuity of flow FE180 continuity of flow with mechanical shocks PH120). The cable is protected against signals from outside by its static screen. Cables are composed of halogen-free materials (flame retardant materials that do not emit toxic gas or black dense smoke that lowers visibility). They are primarily used in highly populated areas that should have fire resistance, such as smart or semi-smart buildings, housing complexes, hospitals, cinema halls, theatres, schools, shopping malls, airports, factories, etc.

Specifications

Temperature range		-30°C ...+70°C
Bending radius	min.	10 x D
Loop resistance	Ø 0.80 mm max.	73.2 Ω/km
	Ø 1.0 mm max.	44.4 Ω/km
	1.0 mm ² max.	36.2 Ω/km
	1.5 mm ² max.	24.2 Ω/km
	2.5 mm ² max.	14.8 Ω/km
Insulation resistance	min.	100 MΩ x km
Capacitance	max.	120 nF/km
Capacity imbalance	max.	200 pF/100 m
Test voltage		500 Vac core/core
		2000 Vac core/screen
Operating voltage	max.	225 V

Standards TSE K 173, DIN VDE 0815

Fire performance

Vertical flame propagation	EN 60332-1-2
Corrosive gas	EN 60754-1/2
Smoke density	EN 61034-2
Continuity of flow	IEC 60331-21 FE180
Continuity of flow	EN 50200 PH120

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.