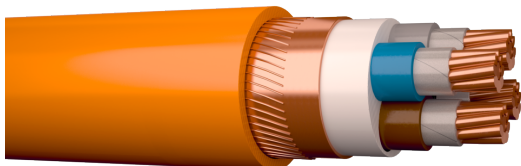


Fire resistant cables

Firetuf FHIKS EMC 1 kV

**Application**

Fire resistant cable for fixed installation indoors. For outdoors installation the cable must be protected against direct sunlight. Applicable in installations where functionality is required both during and after a fire. The cable has an improved EMC screening and is self-extinguishing and halogen free, whereby it doesn't emit any corrosive or dangerous gasses during fire. Must be installed in accordance to S.B.

Standard

HD 502-1
HD 604-5D
IEC 60228
IEC 332-3 -22 B
IEC 60331-1

IEC 60331-2

EN 50362
EN 50267-1
IEC 60754-1, -2
EN 50267-2-3
IEC 61034-1-2
EN 6100

Conductor standard

Test method for fire with shock at a temperature of at least 830°C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter exceeding 20 mm
Test method for fire with shock at a temperature of at least 830°C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter not exceeding 20 mm

Hologen free material
Corrosive gasses
Corrosive gasses
Material Standard for smoke

Construction

Cable Shape	Round
Conductors	Copper conductor; 1,5 - 2,5 mm ² round solid; 4 - 35 mm ² round strandet; 50 - 240 mm ² sector shaped strandet;
Conductor Insulation	Mica tape/XLPE
Marking of cores	2 core: Blue, brown 3 core: Brown, black, grey 4 core: Blue, brown, black, grey
Shield / Screen	EMC
Shield / Screen Material	Copper
Outer Sheath	Halogen free compound

Temperature

Maximum operating Temperature	90°C
Minimum operating Temperature for cable type [°C]	- 40°C
Temperatures at installation [°C]	min. -15°C to 50°C

Features

Additional Feature Information	HD 64364-5-52:2011 table B.52.12
Bending radius	8xD
REACH/SVHC declaration	Meet the demand for REACH
RoHS declaration	Meet the demand for RoHS

Electrical

Max. short circuit temperature [°C]	250 °C
Test Voltage [kV]	4 kV AC

Conductors and screen area [mm ²]	Diameter over sheath [mm]	Cable weight [kg/km]	Delivery Package	EAN/GTIN number	Max current load in air [A]
2x1,5/1,5	13,5	250	K7	6430010754411	23
2x2,5/2,5	14,2	300	K8	6430010754428	32
2X6/6	18,3	549,7	T500	6410006524044	54
3x1,5/1,5	14,1	280	K8	6430010754442	23
3x2,5/2,5	14,8	330	K8	6430010754473	32
3x4/4	17,8	507,9	T500	6430010754480	42
3x6/6	18,1	555	K9	6430010754497	54
3x10/10	21	800	K11	6430010754459	75
3x16/16	23,5	1110	K12	6430010754466	100
3x25/16	28,4	1630	T500	6410006524174	127
3x35/16	30,6	2005,7	T500	6410006524181	158
3x50/25	30,7	2274,3	T500	6410006524198	192
4x1,5/1,5	15,6	329,2	T500	6430010754403	23
4x2,5/2,5	15,9	380	K8	6410006524228	32
4x4/4	19,2	586,7	T500	6430010754527	42
4x6/6	20,5	713,3	T500	6410006524242	54
4x10/10	22,6	935	K11	6410006524259	75
4x16/16	25,5	1310	K12	6410006524266	100
4x25/16	30,8	1940	K12	6410006524273	127
4x35/16	33,2	2435	K12	6410006524280	158
4x50/25	34,7	2880	K14	6410006524297	192
4x70/35	38,2	3850	K16	6410006524303	246
4x95/50	43,9	5115	K20	6410006524310	298
4x120/70	48	6433,7	T500	6410006524327	346
4x150/70	52,7	7700	K18	6410006524334	399
4x185/95	57,7	9600	K20	6410006524341	456
4x240/120	64,4	12265	K22	6410006524358	538