

LifeCord-FRHF



Fire-resistant screened instrumentation and communication cable 250 V EN 50288-7

Conductor	Stranded copper conductor, HD 383 S2
Insulation	Mica tape, XLPE plastic, EN 50290-2-29
Bedding	Separator tape
Screen	Drain wire tinned copper, aluminium polyester tape, coverage 100%
Sheath	Polyolefine plastic, EN 50290-2-27, standard colour orange, other colours on request

Application For fixed installation in places where the cable has to maintain its functionality during fire

Main characteristics	Rated voltage	150/250 V	
	Max conductor temperature	+ 90 °C	
	Min recommended installation temperature	- 15 °C	
	Lowest recommended operation temperature	- 40 °C	
	Recommended minimum bending radius, (R):	During installation R = 9 x outer Ø Fixed installation R = 6 x outer Ø	
Fire properties	Fire-resistant	IEC 60331-21	-min. 90 min/750 °C
	Flame-retardant	IEC 60332-1-2 IEC 60332-3-22	-test for single insulated wire and cable -test for bunched wires and cables, category A
	Halogen-free	IEC 60754 series	
	Smoke emission	IEC 61034 series	

Electrical data

Loop resistance of pair, max. / +20 °C
Pair capacitance, nom. / 800 Hz
Loop inductance, nom.
Insulation resistance / +20 °C

0,75 mm ²	Unit
52	ohm/km
45	nF/km
0,6	mH/km
≥1500	Mohm x km

Core identification		
Pair	a	b
	Number of cores	
1	1	2
2	3	4
3	5	6
4	7	8
5	9	10
6	11	12
etc.		

Identification Lot number, cable type, cable size, production month, year, manufacturer's name and meter marking printed on the sheath

Number of conductors & cross-section n x mm ²	Nominal outer Ø mm	Nominal weight kg/km	Standard delivery length m	Drum
1 x 2x0,75	8,3	85	1000	K6
2 x 2x0,75	13,1	160	1000	K9
4 x 2x0,75	15,7	270	1000	K10
8 x 2x0,75	20,5	480	1000	K12
12 x 2x0,75	24,5	680	1000	K15
19 x 2x0,75	31,7	1150	1000	K18
24 x 2x0,75	35,5	1430	1000	K20

