

LifeCord-FRHF



**Fire-resistant screened instrumentation and communication cable 300 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

- ✓ Fire-resistant
- ✓ Flame-retardant
- ✓ Halogen-free
- ✓ Low smoke emission

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

Main characteristics	Rated voltage	300 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	0,75 mm²	Unit
	Pair capacitance, nom. / 800 Hz	52	ohm/km
	Loop inductance, nom.	45	nF/km
	Insulation resistance / +20 °C	0,6	mH/km
		≥1500	Mohm x km

Core identification	
	○ ●
	a b
Pair	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	8,5	75	1000	K6
2 x 2x0,75	13,0	135	1000	K9
4 x 2x0,75	15,5	215	1000	K10
8 x 2x0,75	20,0	380	1000	K12
12 x 2x0,75	24,0	545	1000	K14
19 x 2x0,75	29,5	805	500	K14
24 x 2x0,75	33,5	1030	500	K18