

# LifeCord-FRHF (i)



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

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

<b>Conductor</b>	Stranded copper conductor, HD 383 S2	
<b>Insulation</b>	Mica tape, XLPE plastic, EN 50290-2-29	
<b>Pair screen</b>	Plastic coated aluminium tape and a tinned copper drain wire	
<b>Bedding</b>	Separator tape	
<b>Collective screen</b>	Drain wire tinned copper, aluminium polyester tape coverage 100 %	
<b>Sheath</b>	Polyolefine plastic, EN 50290-2-27, standard colour orange, other colours on request	
<b>Application</b>	For fixed installation in places where the cable has to maintain its functionality during fire	
<b>Main characteristics</b>	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
<b>Fire properties</b>	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	

<b>Electrical data</b>		<b>0,75 mm<sup>2</sup></b>	<b>Unit</b>	<b>Core identification</b> ○ ● 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.
	Loop resistance of pair, max. / +20 °C	52	ohm/km	
	Pair capacitance, nom. / 800 Hz	55	nF/km	
	Loop inductance, nom.	0,6	mH/km	
	Insulation resistance / +20 °C	≥1500	Mohm*km	

**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 <sup>2</sup>	Nominal outer Ø mm	Nominal weight kg/km	Standard delivery length m	Drum
2 x 2x0,75	13,3	165	1000	K9
4 x 2x0,75	15,9	275	1000	K10
8 x 2x0,75	20,7	500	1000	K12
12 x 2x0,75	25,2	730	1000	K15
19 x 2x0,75	32,1	1190	1000	K18
24 x 2x0,75	36,0	1485	1000	K20