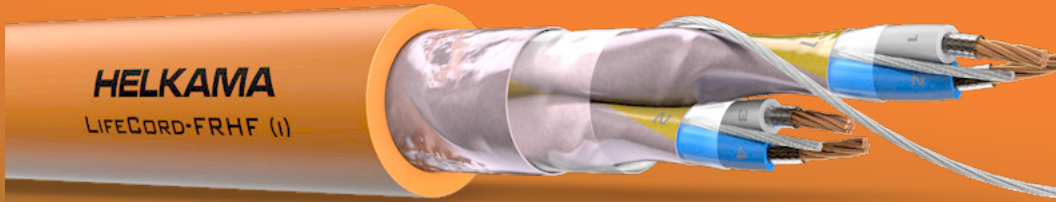


LIFECORD-FRHF (i)

300 V



CONDUCTOR	Stranded copper conductor
INSULATION	Mica tape XLPE
STRANDING	Pairs and copper drain wire cabled together
PAIR SCREEN	Aluminium polyester tape
SCREEN	Aluminium polyester tape, coverage 100% Tinned copper drain wire under the screen
SHEATH	LSZH Thermoplastic Standard colour orange
REFERENCE STANDARD	EN 50288-7

APPLICATION

Fire-resistant individually and collectively screened cable for instrumentation and communication applications. For fixed installation where the cable has to maintain its functionality during fire.

PHYSICAL PROPERTIES:

MIN. BENDING RADIUS (installation/fixed)	9 x Ø/6 x Ø
CORE IDENTIFICATION	Pair colours white/blue Black identification numbers

MAIN CHARACTERISTICS:

FIRE PERFORMANCE	IEC 60332-1-2 IEC 60332-3-22
RATED VOLTAGE	300 V
FIRE-RESISTANT	Ø < 20 mm IEC 60331-2 Ø > 20 mm IEC 60331-1
HALOGEN-FREE	IEC 60754 series
SMOKE EMISSION	IEC 61034 series
MIN. INSTALLATION TEMPERATURE	-15 °C
OPERATING TEMPERATURE	-40 - 90 °C

ELECTRICAL PROPERTIES:

		Unit
Loop resistance of pair (20 °C), max.	52	ohm/km
Nominal pair capacitance (800 Hz)	55	nF/km
Loop inductance	0.6	mH/km
Insulation resistance (20 °C), min.	≥1500	Mohm/km

LIFECORD-FRHF (i)

Part number	No. of conductors x Conductor area (mm²)	Nominal outer Ø mm	Weight kg/km	Standard length m
0245140	1 x 2 x 0.75	8.3	85	1000
0245142	2 x 2 x 0.75	13.5	155	1000
0245144	4 x 2 x 0.75	15.5	245	1000
0245146	8 x 2 x 0.75	20.0	430	1000
0245147	12 x 2 x 0.75	24.5	625	1000
0245148	19 x 2 x 0.75	30.0	945	500
0245149	24 x 2 x 0.75	34.0	1205	500