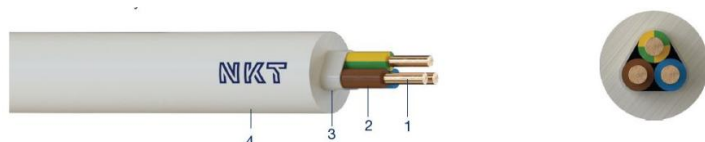


HFFR building wires

Standard: NKT FABRIKSSTANDARD 008.



Design

1. Copper conductor
2. XLPE insulation
3. Bedding
4. HFFR outer sheath

Application

Cables are designed for fixed installation where halogen-free and environmentally friendly cables are required, in dry and wet rooms and outside as well as in the open air. Can be laid in the ground. May be bricked in and embedded directly. Not suitable for embedment in vibrated concrete. Conductor insulation must be protected against light exposure.

NOIKLX 90 Dca is registered in the Building Materials Database and can be included in a Nordic Swan Ecolabelled building.

Installation of the product should only be carried out by personnel trained and qualified for electrical works. The product is designed according to recognized standards. Applicable rules of installation must be applied at all times.

Properties

Rated voltage U_0/U	0,3/0,5 kV	Smoke density	IEC 61034-2
Test voltage	2 (AC) kV	Corrosivity of emitted gases	IEC 60754-1
Maximal short-circuit conductor temperature	250 °C	Conductivity - pH change	IEC 60754-2
Maximal operating conductor temperature	90 °C	CPR-Classification	Dca-s2,d2,a2
Temperature range	from -20 up to 70 °C	UV stability	yes
Minimal temperature for laying and manipulation	-15 °C	Packaging	drum, coil, box, Qaddy®
Minimal storage temperature	-30 °C	RoHS	yes
Colour of insulation	HD 308 S2	REACH	yes
Colour of sheath	light grey	Declaration of Conformity EU (CE)	yes
Self-extinguishing of one cable	IEC 60332-1-2		

Technical data

No. of cores and cross-section	Shape of conductor *1	Diameter of conductor	Thickness - nominal insulation	Thickness - nominal sheath	Diameter informative	Weight informative	Minimal radius of bend	Max. effective resistance conductor at 20°C	Maximum pulling force *2
mm ²		mm	mm	mm	mm	kg/km	mm	Ω/km	N
1x2,5	RE	1,7	0,5	1,2	3,0	51	30	7,41	125
1x6	RM	3,2	0,7	1,2	4,6	100	46	3,08	300
1x10	RM	4,1	0,7	1,2	5,5	136	55	1,83	500
1x16	RM	5,1	0,5	1,2	6,6	199	66	1,15	800
1x25	RM	6,4	0,7	1,2	7,8	304	78	0,72	1250
1x35	RM	7,7	0,7	1,2	11,5	412	115	0,524	1750
1x50	RM	8,9	0,8	1,2	10,5	541	105	0,387	2500
3x1,5	RE	1,4	0,5	1,2	8,2	105	82	12,1	225
3x2,5	RE	1,7	0,5	1,2	9,1	139	91	7,41	375
3x4	RE	2,3	0,5	1,2	9,8	197	98	4,61	600
3x6	RM	3,2	0,5	1,4	12,9	315	129	3,08	900
4x1,5	RE	1,4	0,5	1,2	8,9	127	89	12,1	300
4x4	RE	2,3	0,5	1,4	11,3	261	113	4,61	800
4x6	RM	3,2	0,5	1,4	13,8	380	138	3,08	1200
4x10	RM	4,1	0,5	1,4	15,8	563	158	1,83	2000
4x16	RM	5,1	0,5	1,4	16,0	854	160	1,15	3200
5x1,5	RE	1,4	0,5	1,2	9,6	149	96	12,1	375
5x2,5	RE	1,7	0,5	1,2	10,6	198	106	7,41	625
5x4	RE	2,3	0,5	1,4	12,2	312	122	4,61	1000
5x6	RM	3,2	0,5	1,4	11,1	407	111	3,08	1500
5x10	RM	4,1	0,5	1,4	17,4	677	174	1,83	2500
5x16	RM	5,1	0,5	1,6	20,5	1001	205	1,15	4000
7x1,5	RE	1,4	0,5	1,2	10,3	191	103	12,1	525
7x2,5	RE	1,7	0,5	1,2	11,5	264	115	7,41	875

*1 RE - Conductor class 1 - round solid; RM - Conductor class 2 - round stranded

*2 Force is distributed over all cable conductors; Force for the pulling head or conductor grip