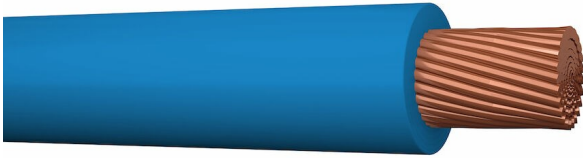


H07Z-K 450/750 V

Flexible HFFR wire



DESCRIPTION

Flexible, halogen-free and fire-retardant wire for connecting machines, systems and panels. Maximum conductor temperature 90°C. Approved by Bureau Veritas certificate no. 11376/D for ship application.

H07Z-K is listed/registered in Ecolabel database over building materials that can be applied/used in Svanemærket construction.

CERTIFICATION, APPROVAL & STANDARD



UNE EN 21027-9

Construction standard for single core non-sheathed cables up to 450/750 V with crosslinked insulation for fixed application

HD 22.9 S2

Standard for 1-core insulated cables without outer sheath for fixed LSOH application

EN 60228

Conductor standard

AENOR

Acc. to harmonized standard from Spain

ROHS

RoHS compliance - restriction of hazardous substances directive

CONSTRUCTION

Conductor material	Copper
Conductor surface	Bare
Core insulation material	Halogenfree polymer

ELECTRICAL PROPERTIES

Nominal voltage U ₀ [V]	450
Nominal voltage U [V]	750
Test voltage [kV]	2.5

FIRE PROPERTIES

Flame retardant	In accordance with EN/IEC 60332-3-24
Halogen free	acc. IEC/EN 60754-1/2
Low smoke	acc. IEC/EN 61034-2
Reaction-to-fire class (acc. EN 13501-6)	Not applicable

THERMAL PROPERTIES

Max. conductor temperature [°C]	90
Permitted cable outer temperature during assembling/handling (min) [°C]	40
Permitted cable outer temperature during assembling/handling (max) [°C]	75

MECHANICAL PROPERTIES

Bending radius (rule)	≤8mm: 4 x D, >8≤12mm: 5 x D, >12≤20mm: 6 x D, >20mm: 6 x D
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CHEMICAL & ENVIRONMENTAL PROPERTIES

APPLICATION PROPERTIES

Outdoor installation	No
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DELIVERY INFORMATION

Basic construction	Core colour	Standard packaging quantity	Packaging type	SAP code	EAN-code (GTIN)
1x1,5 mm ²	White	100	Bobbin	20098486	8430220453157
1x1,5 mm ²	Pink	100	Bobbin	20118653	8430220717655
1x1,5 mm ²	Dark blue	100	Bobbin	20098361	8430220453706
1x1,5 mm ²	Red	100	Bobbin	20118657	8430220453546
1x1,5 mm ²	Orange	100	Bobbin	20098366	8430220453447
1G1,5 mm ²	Green/yellow	100	Bobbin	20098410	8430220452839
1x1,5 mm ²	Black	100	Bobbin	20098348	8430220452587
1x1,5 mm ²	Blue	100	Bobbin	20098375	8430220453652
1x1,5 mm ²	Light blue	100	Bobbin	20098379	8430220453034
1x1,5 mm ²	Red	100	Bobbin	20098384	8430220453218
1x1,5 mm ²	Purple	100	Bobbin	20098392	8430220453263
1x1,5 mm ²	Brown	100	Bobbin	20098397	8430220453317
1x1,5 mm ²	Grey	100	Bobbin	20118654	8430220453409
1G2,5 mm ²	Green/yellow	100	Bobbin	20098421	8430220452846
1x2,5 mm ²	Brown	100	Bobbin	20098398	8430220453324
1x2,5 mm ²	Purple	100	Bobbin	20098393	8430220453270
1x2,5 mm ²	White	100	Bobbin	20098487	8430220453164
1x2,5 mm ²	Black	100	Bobbin	20098349	8430220452594
1x2,5 mm ²	Light blue	100	Bobbin	20118658	8430220453041
1x2,5 mm ²	Red	100	Bobbin	20098385	8430220453225
1x4 mm ²	Black	100	Bobbin	20098367	8430220452617
1x4 mm ²	Light blue	100	Bobbin	20098399	8430220453058
1G4 mm ²	Green/yellow	100	Bobbin	20118668	8430220452853
1x6 mm ²	Black	500	Bobbin	20098352	8430220452648
1x6 mm ²	Black	100	Bobbin	20098365	8430220452631
1G6 mm ²	Green/yellow	100	Bobbin	20098425	8430220452860
1x6 mm ²	Light grey	100	Bobbin	20098404	8430220453454
1x6 mm ²	Light blue	100	Bobbin	20098400	8430220453065
1x10 mm ²	Other	100	Bobbin	20098401	8430220453072
1x10 mm ²	Light grey	500	Bobbin	20118670	8430220453485
1x10 mm ²	Light grey	100	Bobbin	20118688	8430220453478
1G10 mm ²	Green/yellow	100	Bobbin	20098426	8430220452877
1x10 mm ²	Black	500	Bobbin	20098353	8430220452662
1x10 mm ²	Black	100	Bobbin	20098368	8430220452655
1x16 mm ²	Light grey	500	Bobbin	20118671	8430220453508

DELIVERY INFORMATION

Basic construction	Core colour	Standard packaging quantity	Packaging type	SAP code	EAN-code (GTIN)
1x16 mm ²	Light grey	100	Bobbin	20118689	8430220453492
1G16 mm ²	Green/yellow	100	Bobbin	20098427	8430220452884
1x16 mm ²	Black	500	Bobbin	20098354	8430220452686
1x16 mm ²	Black	100	Bobbin	20098369	8430220452679
1x16 mm ²	Light blue	100	Bobbin	20098402	8430220453089
1x25 mm ²	Black	500	Bobbin	20098355	8430220452709
1x25 mm ²	Black	50	Bobbin	20098370	8430220452693
1x25 mm ²	Light blue	50	Bobbin	20098403	8430220453096
1G25 mm ²	Green/yellow	500	Bobbin	20098422	8430220452907
1G25 mm ²	Green/yellow	50	Bobbin	20098428	8430220452891
1x35 mm ²	Light blue	500	Bobbin	20197541	8430220453102
1G35 mm ²	Green/yellow	500	Bobbin	20098423	8430220452921
1G35 mm ²	Green/yellow	50	Bobbin	20098429	8430220452914
1x35 mm ²	Black	50	Bobbin	20118672	8430220453102
1x35 mm ²	Black	500	Bobbin	20098356	8430220452723
1x35 mm ²	Black	50	Bobbin	20098371	8430220452716
1G50 mm ²	Green/yellow	500	Bobbin	20098424	8430220452938
1X50	Black	500	Bobbin	20098357	8430220452730
1G70 mm ²	Green/yellow	500	Bobbin	20118674	8430220452945
1x70 mm ²	Black	500	Bobbin	20118673	8430220452747
1x95 mm ²	Black	500	Bobbin	20118675	8430220452754
1G95 mm ²	Green/yellow	500	Bobbin	20118676	8430220452952
1x120 mm ²	Black	500	Bobbin	20118677	8430220452761
1G120 mm ²	Green/yellow	500	Bobbin	20118678	8430220452969
1x150 mm ²	Black	500	Bobbin	20118679	8430220452778
1G150 mm ²	Green/yellow	500	Bobbin	20118680	8430220452976
1x185 mm ²	Black	500	Bobbin	20118681	8430220452785
1G185 mm ²	Green/yellow	500	Bobbin	20118682	8430220452983
1G240 mm ²	Green/yellow	500	Bobbin	20118684	8430220452990
1x240 mm ²	Black	500	Bobbin	20118683	8430220452792

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MECHANICAL AND ELECTRICAL DATA

Basic construction	Nominal outer diameter [mm]	Weight [kg/km]	Current carrying capacity [A]	Conductor resistance at 20° C [Ohm/km]
1x1,5 mm ²	3	20	23	
1x1,5 mm ²	3	20	23	
1x1,5 mm ²	3	20	23	
1x1,5 mm ²	3	20	23	
1x1,5 mm ²	3	20	23	
1x1,5 mm ²	3	20	23	
1G1,5 mm ²	3	20	23	
1x1,5 mm ²	3	20	23	
1x1,5 mm ²	3	20	23	
1x1,5 mm ²	3	20	23	
1x1,5 mm ²	3	20	23	
1x1,5 mm ²	3	20	2	
1x1,5 mm ²	3	20	23	
1x1,5 mm ²	3	20	23	
1G2,5 mm ²	3.6	31	32	
1x2,5 mm ²	3.6	31	32	
1x2,5 mm ²	3.6	31	32	
1x2,5 mm ²	3.6	31	32	
1x2,5 mm ²	3.6	31	32	
1x2,5 mm ²	3.6	31	32	
1x2,5 mm ²	3.6	31	32	
1x4 mm ²	4.1	45	42	
1x4 mm ²	4.1	45	42	
1G4 mm ²	4.1	45	42	
1x6 mm ²	4.6	64	54	
1G6 mm ²	4.6	64	54	
1x6 mm ²	4.6	64	54	
1x6 mm ²	4.6	64	54	
1x10 mm ²	6.1	108	75	
1x10 mm ²	6.1	108	75	
1G10 mm ²	6.1	108	75	
1x10 mm ²	6.1	108	75	
1x16 mm ²	7.2	160	100	
1G16 mm ²	7.2	160	100	
1x16 mm ²	7.2	160	100	

MECHANICAL AND ELECTRICAL DATA

Basic construction	Nominal outer diameter [mm]	Weight [kg/km]	Current carrying capacity [A]	Conductor resistance at 20° C [Ohm/km]
1x16 mm ²	7.2	160	100	
1x25 mm ²	8.8	243	127	
1x25 mm ²	8.8	243	127	
1G25 mm ²	8.8	243	127	
1x35 mm ²	10.3	323	158	
1G35 mm ²	10.3	323	158	
1x35 mm ²	10.3	323	158	
1G50 mm ²	12	495	192	
1X50	12	495	192	
1G70 mm ²	13.6	680	246	
1x70 mm ²	13.6	680	246	
1x95 mm ²	15.7	885	298	
1G95 mm ²	15.7	885	298	
1x120 mm ²	17.8	1,110	346	
1G120 mm ²	17.8	1,110	346	
1x150 mm ²	20	1,435	399	
1G150 mm ²	20	1,435	399	
1x185 mm ²	22			
1G185 mm ²	22			
1G240 mm ²	24	2,235	538	
1x240 mm ²	24	2,235	538	

* Nominal valuer