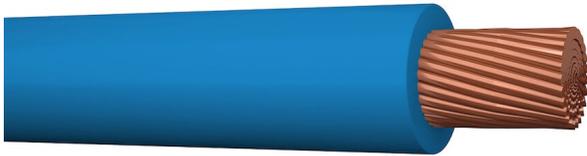


H07Z-K 450/750 V

Flexible HFFR wire



DESCRIPTION

Halogen-free, fire-retardant and flexible class 5. copper 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 registered in the database of building materials that can be used in Swan Label construction.

CERTIFICATION, APPROVAL & STANDARD



UNE EN 21027-9

HD 22.9 S2

EN 60228

AENOR

REACH

ROHS

Construction standard for single core non-sheathed cables up to 450/750 V with crosslinked insulation for fixed application
 Standard for 1-core insulated cables without outer sheath for fixed LSOH application
 Conductor standard
 Acc. to harmonized standard from Spain
 Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
 RoHS compliance - restriction of hazardous substances directive

CONSTRUCTION

Conductor material	Copper
Conductor surface	Bare
Core insulation material	Halogenfree polymer

ELECTRICAL PROPERTIES

Nominal voltage U0 [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

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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APPLICATION PROPERTIES

UV resistant	No
Outdoor installation	No

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DELIVERY INFORMATION

Basic construction	Core colour	Wire second core colour	Standard packaging quantity		SAP code	EAN-code (GTIN)
1X50 mm ²	Black		500		20098357	8430220452730
1G185 mm ²	Green/yellow		500		20118682	8430220452983
1x185 mm ²	Black		500		20118681	8430220452785
1x1,5 mm ²	White		100		20098486	8430220453157
1x1,5 mm ²	Brown		100		20098397	8430220453317
1x1,5 mm ²	Purple		100		20098392	8430220453263
1G1,5 mm ²	Green/yellow		100		20098410	8430220452839
1x1,5 mm ²	Red		100		20098384	8430220453218
1x1,5 mm ²	Light blue		100		20098379	8430220453034
1x1,5 mm ²	Black		100		20098348	8430220452587
1x1,5 mm ²	Red	White	100		20118657	8430220717693
1x1,5 mm ²	Blue	White	100		20118655	8430220453614
1x1,5 mm ²	Orange		100		20098366	8430220453447
1x1,5 mm ²	Grey		100		20118654	8430220453409
1x1,5 mm ²	Pink		100		20118653	8430220717655
1x1,5 mm ²	Dark blue		100		20098361	8430220453706
1x1,5 mm ²	Blue		100		20098375	8430220453652
1x2,5 mm ²	White		100		20098487	8430220453164
1x2,5 mm ²	Light blue		100		20118658	8430220453041
1x2,5 mm ²	Red		100		20098385	8430220453225
1x2,5 mm ²	Brown		100		20098398	8430220453324
1G2,5 mm ²	Green/yellow		100		20098421	8430220452846
1x2,5 mm ²	Black		100		20098349	8430220452594
1x2,5 mm ²	Purple		100		20098393	8430220453270
1x4 mm ²	Black		100		20098367	8430220452617
1G4 mm ²	Green/yellow		100		20118668	8430220452853
1x4 mm ²	Light blue		100		20098399	8430220453058
1x6 mm ²	Black		500		20098352	8430220452648
1x6 mm ²	Black		100		20098365	8430220452631
1G6 mm ²	Green/yellow		100		20098425	8430220452860
1x6 mm ²	Light blue		100		20098400	8430220453065
1x6 mm ²	Light grey		100		20098404	8430220453454
1x10 mm ²	Other		100		20098401	8430220453072
1x10 mm ²	Light grey		500		20118670	8430220453485
1x10 mm ²	Light grey		100		20118688	8430220453478

DELIVERY INFORMATION

Basic construction	Core colour	Wire second core colour	Standard packaging quantity		SAP code	EAN-code (GTIN)
1x10 mm ²	Black		500		20098353	8430220452662
1x10 mm ²	Black		100		20098368	8430220452655
1G10 mm ²	Green/yellow		100		20098426	8430220452877
1x16 mm ²	Light blue		100		20098402	8430220453089
1G16 mm ²	Green/yellow		100		20098427	8430220452884
1x16 mm ²	Black		500		20098354	8430220452686
1x16 mm ²	Black		100		20098369	8430220452679
1x16 mm ²	Light grey		500		20118671	8430220453508
1x16 mm ²	Light grey		100		20118689	8430220453492
1x25 mm ²	Light blue		50		20098403	8430220453096
1G25 mm ²	Green/yellow		500		20098422	8430220452907
1G25 mm ²	Green/yellow		50		20098428	8430220452891
1x25 mm ²	Black		500		20098355	8430220452709
1x25 mm ²	Black		50		20098370	8430220452693
1x35 mm ²	Light blue		500		20197541	8430220453102
1G35 mm ²	Green/yellow		500		20098423	8430220452921
1G35 mm ²	Green/yellow		50		20098429	8430220452914
1x35 mm ²	Black		50		20118672	8430220453102
1x35 mm ²	Black		500		20098356	8430220452723
1x35 mm ²	Black		50		20098371	8430220452716
1G50 mm ²	Green/yellow		500		20098424	8430220452938
1G70 mm ²	Green/yellow		500		20118674	8430220452945
1x70 mm ²	Black		500		20118673	8430220452747
1G95 mm ²	Green/yellow		500		20118676	8430220452952
1x95 mm ²	Black		500		20118675	8430220452754
1x120 mm ²	Black		500		20118677	8430220452761
1G120 mm ²	Green/yellow		500		20118678	8430220452969
1x150 mm ²	Black		500		20118679	8430220452778
1G150 mm ²	Green/yellow		500		20118680	8430220452976
1G240 mm ²	Green/yellow		500		20118684	8430220452990
1x240 mm ²	Black		500		20118683	8430220452792

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MECHANICAL AND ELECTRICAL DATA

Basic construction	Nominal outer diameter [mm]	Cable weight [kg/km]	Current carrying capacity [A]
1X50 mm ²	12	495	198
1G185 mm ²	22	1,706	449
1x185 mm ²	22	1,706	449
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	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
1x2,5 mm ²	3.6	31	31
1x2,5 mm ²	3.6	31	31
1x2,5 mm ²	3.6	31	31
1x2,5 mm ²	3.6	31	31
1G2,5 mm ²	3.6	31	31
1x2,5 mm ²	3.6	31	31
1x2,5 mm ²	3.6	31	31
1x4 mm ²	4.1	45	42
1G4 mm ²	4.1	45	42
1x4 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
1x10 mm ²	6.1	108	75
1G10 mm ²	6.1	108	75

MECHANICAL AND ELECTRICAL DATA

Basic construction	Nominal outer diameter [mm]	Cable weight [kg/km]	Current carrying capacity [A]
1x16 mm ²	7.2	160	100
1G16 mm ²	7.2	160	100
1x16 mm ²	7.2	160	100
1x16 mm ²	7.2	160	100
1x25 mm ²	8.8	243	133
1G25 mm ²	8.8	243	133
1x25 mm ²	8.8	243	133
1x35 mm ²	10.3	323	164
1G35 mm ²	10.3	323	164
1x35 mm ²	10.3	323	164
1G50 mm ²	12	495	198
1G70 mm ²	13.6	680	253
1x70 mm ²	13.6	680	253
1G95 mm ²	15.7	885	306
1x95 mm ²	15.7	885	306
1x120 mm ²	17.8	1,110	354
1G120 mm ²	17.8	1,110	354
1x150 mm ²	20	1,435	393
1G150 mm ²	20	1,435	393
1G240 mm ²	24	2,235	528
1x240 mm ²	24	2,235	528

* Nominal valuer

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