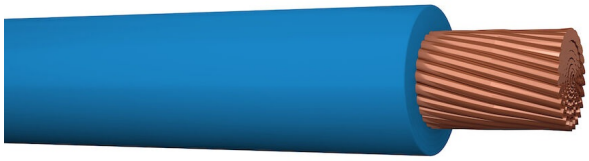
H07Z-K 450/750 V

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	Construction standard for single core non-sheated 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
REACH	Regulation concerning the Registration, Evaluation, Authorisation and Restriction of CHemicals.
ROHS	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

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 mm²	Black		500		20098357	8430220452730
1G185 mm²	Green/yellow		500		20118682	8430220452983
1x185 mm²	Black		500		20118681	8430220452785
1x1,5 mm²	White		100		20098486	8430220453157
1x1,5 mm²	Brown		100		20098397	8430220453317
1x1,5 mm²	Purple		100		20098392	8430220453263
1G1,5 mm²	Green/yellow		100		20098410	8430220452839
1x1,5 mm²	Red		100		20098384	8430220453218
1x1,5 mm²	Light blue		100		20098379	8430220453034
1x1,5 mm²	Black		100		20098348	8430220452587
1x1,5 mm²	Red	White	100		20118657	8430220717693
1x1,5 mm²	Blue	White	100		20118655	8430220453614
1x1,5 mm²	Orange		100		20098366	8430220453447
1x1,5 mm²	Grey		100		20118654	8430220453409
1x1,5 mm²	Pink		100		20118653	8430220717655
1x1,5 mm²	Dark blue		100		20098361	8430220453706
1x1,5 mm²	Blue		100		20098375	8430220453652
1x2,5 mm²	White		100		20098487	8430220453164
1x2,5 mm²	Light blue		100		20118658	8430220453041
1x2,5 mm²	Red		100		20098385	8430220453225
1x2,5 mm²	Brown		100		20098398	8430220453324
1G2,5 mm²	Green/yellow		100		20098421	8430220452846
1x2,5 mm²	Black		100		20098349	8430220452594
1x2,5 mm²	Purple		100		20098393	8430220453270
1x4 mm²	Black		100		20098367	8430220452617
1G4 mm²	Green/yellow		100		20118668	8430220452853
1x4 mm²	Light blue		100		20098399	8430220453058
1x6 mm²	Black		500		20098352	8430220452648
1x6 mm²	Black		100		20098365	8430220452631
1G6 mm²	Green/yellow		100		20098425	8430220452860
1x6 mm²	Light blue		100		20098400	8430220453065
1x6 mm²	Light grey		100		20098404	8430220453454
1x10 mm²	Other		100		20098401	8430220453072
1x10 mm²	Light grey		500		20118670	8430220453485
1x10 mm²	Light grey		100		20118688	8430220453478

DELIVERY INFORMATION

Basic construction	Core colour	Wire second core colour	Standard packaging quantity		SAP code	EAN-code (GTIN)
1x10 mm²	Black		500		20098353	8430220452662
1x10 mm²	Black		100		20098368	8430220452655
1G10 mm²	Green/yellow		100		20098426	8430220452877
1x16 mm²	Light blue		100		20098402	8430220453089
1G16 mm²	Green/yellow		100		20098427	8430220452884
1x16 mm²	Black		500		20098354	8430220452686
1x16 mm²	Black		100		20098369	8430220452679
1x16 mm²	Light grey		500		20118671	8430220453508
1x16 mm²	Light grey		100		20118689	8430220453492
1x25 mm²	Light blue		50		20098403	8430220453096
1G25 mm²	Green/yellow		500		20098422	8430220452907
1G25 mm²	Green/yellow		50		20098428	8430220452891
1x25 mm²	Black		500		20098355	8430220452709
1x25 mm²	Black		50		20098370	8430220452693
1x35 mm²	Light blue		500		20197541	8430220453102
1G35 mm²	Green/yellow		500		20098423	8430220452921
1G35 mm²	Green/yellow		50		20098429	8430220452914
1x35 mm²	Black		50		20118672	8430220453102
1x35 mm²	Black		500		20098356	8430220452723
1x35 mm²	Black		50		20098371	8430220452716
1G50 mm²	Green/yellow		500		20098424	8430220452938
1G70 mm²	Green/yellow		500		20118674	8430220452945
1x70 mm²	Black		500		20118673	8430220452747
1G95 mm²	Green/yellow		500		20118676	8430220452952
1x95 mm²	Black		500		20118675	8430220452754
1x120 mm²	Black		500		20118677	8430220452761
1G120 mm²	Green/yellow		500		20118678	8430220452969
1x150 mm²	Black		500		20118679	8430220452778
1G150 mm²	Green/yellow		500		20118680	8430220452976
1G240 mm²	Green/yellow		500		20118684	8430220452990
1x240 mm²	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 mm²	12	495	198
1G185 mm²	22	1,706	449
1x185 mm²	22	1,706	449
1x1,5 mm²	3	20	23
1x1,5 mm²	3	20	23
1x1,5 mm²	3	20	23
1G1,5 mm²	3	20	23
1x1,5 mm²	3	20	23
1x1,5 mm²	3	20	23
1x1,5 mm²	3	20	23
1x1,5 mm²	3	20	23
1x1,5 mm²	3	20	23
1x1,5 mm²	3	20	23
1x1,5 mm²	3	20	23
1x1,5 mm²	3	20	23
1x1,5 mm²	3	20	23
1x1,5 mm²	3	20	23
1x2,5 mm²	3.6	31	31
1x2,5 mm²	3.6	31	31
1x2,5 mm²	3.6	31	31
1x2,5 mm²	3.6	31	31
1G2,5 mm²	3.6	31	31
1x2,5 mm²	3.6	31	31
1x2,5 mm²	3.6	31	31
1x4 mm²	4.1	45	42
1G4 mm²	4.1	45	42
1x4 mm²	4.1	45	42
1x6 mm²	4.6	64	54
1G6 mm²	4.6	64	54
1x6 mm²	4.6	64	54
1x6 mm²	4.6	64	54
1x10 mm²	6.1	108	75
1x10 mm²	6.1	108	75
1x10 mm²	6.1	108	75
1G10 mm²	6.1	108	75

MECHANICAL AND ELECTRICAL DATA

Basic construction	Nominal outer diameter [mm]	Cable weight [kg/km]	Current carrying capacity [A]
1x16 mm²	7.2	160	100
1G16 mm²	7.2	160	100
1x16 mm²	7.2	160	100
1x16 mm²	7.2	160	100
1x25 mm²	8.8	243	133
1G25 mm²	8.8	243	133
1x25 mm²	8.8	243	133
1x35 mm²	10.3	323	164
1G35 mm²	10.3	323	164
1x35 mm²	10.3	323	164
1G50 mm²	12	495	198
1G70 mm²	13.6	680	253
1x70 mm²	13.6	680	253
1G95 mm²	15.7	885	306
1x95 mm²	15.7	885	306
1x120 mm²	17.8	1,110	354
1G120 mm²	17.8	1,110	354
1x150 mm²	20	1,435	393
1G150 mm²	20	1,435	393
1G240 mm²	24	2,235	528
1x240 mm²	24	2,235	528

* Nominal valuer

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