

H05Z-K 300/500 V

Flexible HFFR wire



DESCRIPTION

Halogen-free and flexible wire with class 5 conductor and fire-retardant insulation for application in switchboards, machinery and machine systems or as internal wiring for electrical appliances. Type Approved for marine application by Bureau Veritas with certificate 11376/CO BV.

H05Z-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

AENOR

ROHS

REACH

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

Acc. to harmonized standard from Spain

RoHS compliance - restriction of hazardous substances directive

Regulation concerning the Registration, Evaluation, Authorisation and Restriction of CHemicals.

CONSTRUCTION

Conductor material	Copper
Conductor surface	Bare
Core insulation material	Halogenfree polymer

ELECTRICAL PROPERTIES

Nominal voltage U ₀ [V]	300
Nominal voltage U [V]	500
Test voltage [kV]	2

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)	Below 8 mm: 4 x D From 8 - 12 mm: 5 x D Above 12 mm: 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)
1x0,5 mm ²	Dark blue	White	200		20098358	8430220453669
1x0,5 mm ²	Brown		200		20098394	8430220453287
1x0,5 mm ²	Light blue		200		20098376	8430220453003
1x1,5 mm ²	Black		200		20098344	8430220452549
1x0,5 mm ²	Pink		200		20118659	8430220453331
1x0,5 mm ²	Red		200		20098380	8430220453171
1x0,5 mm ²	Blue		200		20098373	8430220453621
1x0,5 mm ²	Dark blue		200		20197220	8430220453584
1x0,5 mm ²	Blue	White	200		20098492	8430220453584
1x0,5 mm ²	Orange		200		20098362	8430220453416
1x0,5 mm ²	White		200		20098488	8430220453119
1x0,5 mm ²	Grey		200		20098387	8430220453379
1x0,5 mm ²	Green/yellow		200		20098407	8430220452808
1x0,5 mm ²	Purple		200		20098390	8430220453232
1x0,5 mm ²	Red	White	200		20098495	8430220453515
1x0,75 mm ²	Dark blue		200		20098359	8430220453676
1x0,75 mm ²	Dark blue		500		20098360	8430220453683
1x0,75 mm ²	Red		200		20098381	8430220453188
1x0,75 mm ²	Red		500		20098382	8430220453195
1x0,75 mm ²	Dark blue	White	200		20208395	8430220096194
1x0,75 mm ²	Purple		200		20098391	8430220453249
1x0,75 mm ²	Blue		200		20098374	8430220453638
1x0,75 mm ²	Orange		200		20098363	8430220453423
1x0,75 mm ²	Grey		200		20098388	8430220453386
1x0,75 mm ²	Pink		200		20098386	8430220453348
1x0,75 mm ²	Blue	White	200		20098493	8430220453591
1x0,75 mm ²	Black		200		20098345	8430220452556
1x0,75 mm ²	Black		500		20098346	8430220452563
1x0,75 mm ²	Green/yellow		200		20098408	8430220452815
1x0,75 mm ²	Pink	White	200		20118647	8430220717594
1x0,75 mm ²	White		200		20098489	8430220453126
1x0,75 mm ²	White		500		20098490	8430220453133
1x0,75 mm ²	Brown		200		20098395	8430220453294
1x0,75 mm ²	Red	White	200		20098496	8430220453522
1x1,0 mm ²	Grey		200		20098389	8430220453393

DELIVERY INFORMATION

Basic construction	Core colour	Wire second core colour	Standard packaging quantity		SAP code	EAN-code (GTIN)
1x1,0 mm ²	Green/yellow		200		20098409	8430220452822
1x1,0 mm ²	White		200		20098491	8430220453140
1x1,0 mm ²	Orange		200		20098364	8430220453430
1x1,0 mm ²	Blue	White	200		20098494	8430220453607
1x1,0 mm ²	Light blue		200		20098378	8430220453027
1x1,0 mm ²	Purple		200		20118651	8430220453256
1x1,0 mm ²	Dark blue		200		20118649	8430220453690
1x1,0 mm ²	Pink		200		20118650	8430220453355
1x1,0 mm ²	Blue		200		20118648	8430220453645
1x1,0 mm ²	Dark blue	White	200		20208396	8430220096200
1x1,0 mm ²	Red		200		20098383	8430220453201
1x1,0 mm ²	Black		200		20098347	8430220452570
1x1,0 mm ²	Red	White	200		20098497	8430220453539
1x1,0 mm ²	Brown		200		20098396	8430220453300

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MECHANICAL AND ELECTRICAL DATA

Basic construction	Nominal outer diameter [mm]	Cable weight [kg/km]	Current carrying capacity [A]
1x0,5 mm ²	2.3	10	9
1x0,5 mm ²	2.3	10	9
1x0,5 mm ²	2.3	10	9
1x1,5 mm ²	2.3	10	9
1x0,5 mm ²	2.3	10	9
1x0,5 mm ²	2.3	10	9
1x0,5 mm ²	2.3	10	9
1x0,5 mm ²	2.3	10	9
1x0,5 mm ²	2.3	10	9
1x0,5 mm ²	2.3	10	9
1x0,5 mm ²	2.3	10	9
1x0,5 mm ²	2.3	10	9
1x0,5 mm ²	2.3	10	9
1x0,5 mm ²	2.3	10	9
1x0,5 mm ²	2.3	10	9
1x0,75 mm ²	2.5	12	12
1x0,75 mm ²	2.5	12	12
1x0,75 mm ²	2.5	12	12
1x0,75 mm ²	2.5	12	12
1x0,75 mm ²	2.5	12	12
1x0,75 mm ²	2.5	12	12
1x0,75 mm ²	2.5	12	12
1x0,75 mm ²	2.5	12	12
1x0,75 mm ²	2.5	12	12
1x0,75 mm ²	2.5	12	12
1x0,75 mm ²	2.5	12	12
1x0,75 mm ²	2.5	12	12
1x0,75 mm ²	2.5	12	12
1x0,75 mm ²	2.5	12	12
1x0,75 mm ²	2.5	12	12
1x0,75 mm ²	2.5	12	12
1x0,75 mm ²	2.5	12	12
1x0,75 mm ²	2.5	12	12
1x1,0 mm ²	2.7	15	15
1x1,0 mm ²	2.7	15	15
1x1,0 mm ²	2.7	15	15
1x1,0 mm ²	2.7	15	15
1x1,0 mm ²	2.7	15	15

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1x1,0 mm ²	2.7	15	15
1x1,0 mm ²	2.7	15	15
1x1,0 mm ²	2.7	15	15
1x1,0 mm ²	2.7	15	15
1x1,0 mm ²	2.7	15	15
1x1,0 mm ²	2.7	15	15
1x1,0 mm ²	2.7	15	15
1x1,0 mm ²	2.7	15	15
1x1,0 mm ²	2.7	15	15
1x1,0 mm ²	2.7	15	15

* Nominal valuer

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