

## H05Z-K 300/500 V

Flexible cl. 5. HFFR wire



### DESCRIPTION

Flexible wire with class 5 conductor and HFFR insulation for application in switchboards, machinery and machine systems or as internal wiring for electrical appliances. Type Approval for ships by Bureau Veritas.

Popular cross-sections of H05Z-K is registered in the database over building materials that can be applied/used in Svanemærket construction.

Bureau Veritas approved - 11376/CO BV

### CERTIFICATION, APPROVAL & STANDARD

Certifications and approvals



Standards

#### 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

#### 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 <sub>0</sub> [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
Halogen free (acc. EN 60754-1/2)	Yes
Halogen free (acc. IEC 60754-2)	Yes
Low smoke	acc. IEC/EN 61034-2
Low smoke (acc. EN 61034-2)	Yes
Low smoke (acc. IEC 61034-2)	Yes
Reaction-to-fire class (acc. EN 13501-6)	Not applicable

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## 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

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## 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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## CHEMICAL & ENVIRONMENTAL PROPERTIES

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## 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)
1x0,5	Dark blue	200	Bobbin	20098358	8430220453669
1x0,5	Brown	200	Bobbin	20098394	8430220453287
1x0,5	Light blue	200	Bobbin	20098376	8430220453003
1x0,5	Orange	200	Bobbin	20098362	8430220453416
1x1,5	Black	200	Bobbin	20098344	8430220452549
1x0,5	Blue	200	Bobbin	20098492	8430220453584
1x0,5	Dark blue	200	Bobbin	20197220	8430220453584
1x0,5	Blue	200	Bobbin	20098373	8430220453621
1x0,5	Red	200	Bobbin	20098380	8430220453171
1x0,5	White	200	Bobbin	20098488	8430220453119
1x0,5	Green/yellow	200	Bobbin	20098407	8430220452808
1x0,5	Grey	200	Bobbin	20098387	8430220453379
1x0,5	Red	200	Bobbin	20098495	8430220453515
1x0,5	Purple	200	Bobbin	20098390	8430220453232
1x0,5	Pink	200	Bobbin	20118659	8430220453331
1x0,75	Dark blue	200	Bobbin	20208395	8430220096194
1x0,75	Red	200	Bobbin	20098496	8430220453522
1x0,75	Dark blue	200	Bobbin	20098359	8430220453676
1x0,75	Dark blue	500	Bobbin	20098360	8430220453683
1x0,75	Purple	200	Bobbin	20098391	8430220453249
1x0,75	Orange	200	Bobbin	20098363	8430220453423
1x0,75	Blue	200	Bobbin	20098374	8430220453638
1x0,75	Red	200	Bobbin	20098381	8430220453188
1x0,75	Red	500	Bobbin	20098382	8430220453195
1x0,75	Pink	200	Bobbin	20098386	8430220453348
1x0,75	Grey	200	Bobbin	20098388	8430220453386
1x0,75	Pink	200	Bobbin	20118647	
1x0,75	Black	200	Bobbin	20098345	8430220452556
1x0,75	Black	500	Bobbin	20098346	8430220452563
1x0,75	Blue	200	Bobbin	20098493	8430220453591
1x0,75	Green/yellow	200	Bobbin	20098408	8430220452815
1x0,75	White	200	Bobbin	20098489	8430220453126
1x0,75	White	500	Bobbin	20098490	8430220453133
1x1,0	Orange	200	Bobbin	20098364	8430220453430
1x0,75	Brown	200	Bobbin	20098395	8430220453294

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1x1,0	Light blue	200	Bobbin	20098378	8430220453027
1x1,0	Dark blue	200	Bobbin	20208396	8430220453607
1x1,0	Red	200	Bobbin	20098383	8430220453201
1x1,0	Grey	200	Bobbin	20098389	8430220453393
1x1,0	Green/yellow	200	Bobbin	20098409	8430220452822
1x1,0	Purple	200	Bobbin	20118651	8430220453256
1x1,0	Blue	200	Bobbin	20098494	8430220453607
1x1,0	Brown	200	Bobbin	20098396	8430220453300
1x1,0	Red	200	Bobbin	20098497	8430220453539
1x1,0	Blue	200	Bobbin	20118648	8430220453645
1x1,0	Pink	200	Bobbin	20118650	8430220453355
1x1,0	Dark blue	200	Bobbin	20118649	8430220453690
1x1,0	White	200	Bobbin	20098491	8430220453140
1x1,0	Black	200	Bobbin	20098347	8430220452570

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**Prysmian**

**General Cable**

**Draka**

## MECHANICAL AND ELECTRICAL DATA

Basic construction	Nominal outer diameter [mm]	Weight [kg/km]	Current carrying capacity [A]	Conductor resistance at 20° C [Ohm/km]
1x0,5	2.3	10	9	39
1x0,5	2.3	10	9	39
1x0,5	2.3	10	9	39
1x0,5	2.3	10	9	39
1x1,5	2.3	10	9	39
1x0,5	2.3	10	9	39
1x0,5	2.3	10	9	39
1x0,5	2.3	10	9	39
1x0,5	2.3	10	9	39
1x0,5	2.3	10	9	39
1x0,5	2.3	10	9	39
1x0,5	2.3	10	9	39
1x0,5	2.3	10	9	39
1x0,5	2.3	10	9	39
1x0,5	2.3	10	9	39
1x0,5	2.3	10	9	39
1x0,75	2.5	12	12	26
1x0,75	2.5	12	12	26
1x0,75	2.5	12	12	26
1x0,75	2.5	12	12	26
1x0,75	2.5	12	12	26
1x0,75	2.5	12	12	26
1x0,75	2.5	12	12	26
1x0,75	2.5	12	12	26
1x0,75	2.5	12	12	26
1x0,75	2.5	12	12	26
1x0,75	2.5	12	12	26
1x0,75	2.5	12	12	26
1x0,75	2.5	12	12	26
1x0,75	2.5	12	12	26
1x0,75	2.5	12	12	26
1x0,75	2.5	12	12	26
1x1,0	2.7	15	15	19.5
1x0,75	2.5	12	12	26
1x1,0	2.7	15	15	19.5
1x1,0	2.7	15	15	19.5
1x1,0	2.7	15	15	19.5
1x1,0	2.7	15	15	19.5

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1x1,0	2.7	15	15	19.5
1x1,0	2.7	15	15	19.5
1x1,0	2.7	15	15	19.5
1x1,0	2.7	15	15	19.5
1x1,0	2.7	15	15	19.5
1x1,0	2.7	15	15	19.5
1x1,0	2.7	15	15	19.5
1x1,0	2.7	15	15	19.5
1x1,0	2.7	15	15	19.5
1x1,0	2.7	15	15	19.5

\* Nominal valuer

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