

## H07RN-F 450/750 V (VSN)

Oil resistant rubber cable



### RATED VOLTAGE

$U_0/U = 450/750$  V

### APPLICATION

Heavy duty connection cable for use in dry, moist or wet conditions indoors and outdoors as well as in flammable or explosive (ATEX) atmospheres for medium mechanical stresses.

General guide to use, EN 50565-2. Current carrying capacities according to SFS 6000-5.

Highest permissible conductor temperature:

- continuous operation 60 °C
- short circuit (duration up to 5 s) 200 °C

Lowest recommended temperature during laying: -25 °C

Maximum permissible pulling force from conductor is  $15x A N/mm^2$ .

### CONSTRUCTION

- Conductor** Tinned flexible copper wire
- Insulation** EPR rubber compound
- Outer sheath** Black polychloropren or equivalent synthetic rubber compound

### IDENTIFICATION OF CORES

According to standard HD 308 S2:

- |         |  |
|---------|--|
| 2-cores | Blue, brown                            |
| 3-cores | Yellow-green, blue, brown              |
| 4-cores | Yellow-green, brown, black, grey       |
| 5-cores | Yellow-green, blue, brown, black, grey |

### STANDARDS

EN 50525-2-21

IEC / EN 60332-1

### CERTIFICATES, APPROVALS

KEMA-KEUR <HAR>

USE <HAR>



The cable does not contain any substances on the REACH/SVHC -list.

All substances of the cable meet the requirements of RoHS directive.

### CUSTOMS CODE

8544 49 95

# Rubber cables

## H07RN-F 450/750 V (VSN)

### PROPERTIES

PRODUCT NAME	H07RN-F 2X1,5	H07RN-F 2X2,5	H07RN-F 3G1,5	H07RN-F 3G2,5	H07RN-F 3G6	
STK-code and drum	K6/500 0420021	K6/500 0420023	K6/500 0420031	K6/500 0420033	K7/500 0420034	
STK-code, coils	R100 0420020	R100 0420022	R100 0420030	R100 0420032		
<b>CONSTRUCTION DATA (1)</b>						
Diameter over cable	mm	9,5	11	10	12	16
Weight	kg/km	120	170	140	210	390
<b>MECHANICAL DATA (2)</b>						
Minimum permissible bending radius in normal use (3)	mm	60	70	60	75	100
<b>ELECTRICAL DATA (2)</b>						
Maximum DC resistance, conductor 20°C	Ω/km	13,3	7,98	13,3	7,98	3,30
<b>CURRENT RATINGS (2) (4)</b>						
Installation type: cable in free air, temperature +25 °C	A	17	26	17	26	46

PRODUCT NAME	H07RN-F 4G1,5	H07RN-F 4G2,5	H07RN-F 4G6	H07RN-F 4G10	H07RN-F 4G16	H07RN-F 5G1,5	H07RN-F 5G2,5	H07RN-F 5G6	H07RN-F 5G10	H07RN-F 5G16	
STK-code and drum	K6/500 0420041	K7/500 0420043	K8/500 0420044	K11/500 0420045	K11/500 0420046	K6/500 0420054	K7/500 0420056	K9/500 0420058	K11/500 0420059	K12/500 0420060	
STK-code, coils	R100 0420040	R100 0420042				R100 0420053	R100 0420055				
STK-code, STK-code, ProPac						ProPac 35 0400840					
<b>CONSTRUCTION DATA (1)</b>											
Diameter over cable	mm	11	13	17	23	26	12	14	19	26	29
Weight	kg/km	170	250	480	840	1200	210	300	550	1000	1400
<b>MECHANICAL DATA (2)</b>											
Minimum permissible bending radius in normal use (3)	mm	70	80	105	140	160	75	85	115	160	175
<b>ELECTRICAL DATA (2)</b>											
Maximum DC resistance, conductor 20°C	Ω/km	13,3	7,98	3,30	1,91	1,21	13,3	7,98	3,30	1,91	1,21
<b>CURRENT RATINGS (2) (4)</b>											
Installation type: cable in free air, temperature +25 °C	A	17	21	39	54	72	17	21	39	54	72

- (1) Approximate value.  
(2) See the basic assumptions at general information of products.  
(3) Final installation with careful single bending into final position.  
(4) Other installation types, see SFS 6000-5.