

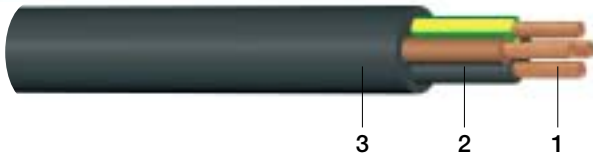
# H07RN-F (GMSuö) / A07RN-F (GMSuö)

**Heavy flexible cable, oil resistant**

**Standard: ÖVE K 40 (HD 22)**

**Usage:**

Can be used under moderate to heavy mechanical loading in dry and damp premises, in the open air or in premises where there is a risk of explosion. Can be used for fixed installation on components of lifting tools, machines etc and for voltages up to 1000 V for protected installation in conduit or in equipment and as rotor connecting cable for motors.



**Construction:**

- 1 Copper conductor, fine wire tinned resp. not tinned
- 2 Core insulation (EPR-rubber)
- 3 Sheath (Chloropren-rubber), black, oil and abrasion resistant



**Rated voltage:** 450/750 V



**Test voltage:** 2500 Veff



**Temperature range:**

laying temperature: min. -25 °C  
 operating temperature: -25 °C to +50 °C  
 conductor temperature: max. +60 °C  
 short-circuit temperature: max. +200 °C/5 s



**Bending radius (min.):** 4 x Ø of cable



**Core identification:** coloured (ÖVE)



**Fire properties:**

flame retardant (EN 50265-2-1, IEC 60332-1)



**Test certificate:** VDE Germany

Number of cores x nominal cross section (mm²)	Max. conductor resistance (Ω/km)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/packing (m)
<b>H07RN-F</b>					
3 G 1	20.0	9.5	30	120	500 Sp, 1000 Sp
2 X 1.5	13.7	9.5	30	130	500 Sp, 1000 Sp
3 G 1.5	13.7	10.5	45	150	100 R, 500 Sp, 1000 Sp
4 G 1.5	13.7	11.5	60	190	100 R, 500 Sp, 1000 Sp
5 G 1.5	13.7	12.5	75	230	100 R, 500 Sp, 1000 T
2 X 2.5	8.21	11.5	50	190	500 Sp, 1000 Sp
3 G 2.5	8.21	12.5	75	220	100 R, 500 Sp, 1000 T
4 G 2.5	8.21	14.0	100	280	100 R, 500 Sp, 1000 T
5 G 2.5	8.21	15.5	125	340	100 R, 500 Sp, 1000 T
2 X 4	5.09	13.5	80	240	500 T, 1000 T
3 G 4	5.09	14.5	120	305	500 T, 1000 T
4 G 4	5.09	16.0	160	390	500 T, 1000 T
5 G 4	5.09	17.5	200	470	500 T, 1000 T
2 X 6	3.39	15.0	120	290	500 T, 1000 T
3 G 6	3.39	16.0	180	495	500 T, 1000 T
4 G 6	3.39	17.5	240	520	500 T, 1000 T
5 G 6	3.39	19.0	300	640	500 T, 1000 T
3 G 10	1.95	22.0	300	880	500 T, 1000 T
4 G 10	1.95	24.0	400	950	500 T, 1000 T
5 G 10	1.95	26.0	500	1,150	500 T, 1000 T

# H07RN-F (GMSuö) / A07RN-F (GMSuö)

Number of cores x nominal cross section (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/packing (m)
<b>H07RN-F</b>					
4 G 16	1.24	27.0	640	1,400	500 T, 1000 T
5 G 16	1.24	30.0	800	1,700	500 T, 1000 T
4 G 25	0.795	32.5	1,000	1,950	500 T, 1000 T
5 G 25	0.795	36.0	1,250	2,400	500 T, 1000 T
4 G 35	0.565	37.0	1,400	2,700	500 T, 1000 T
5 G 35	0.565	38.0	1,750	3,000	500 T, 1000 T
4 G 50	0.393	42.0	2,000	3,600	500 T
5 G 50	0.393	50.0	2,500	4,390	500 T
4 G 70	0.277	49.5	2,800	4,900	500 T
4 G 95	0.21	55.5	3,800	6,200	500 T
4 G 120	0.164	60.0	4,800	7,800	500 T
4 G 150	0.132	65.0	6,000	9,700	500 T
1 x 1.5	13.7	6.5	15	55	500 T, 1000 T
1 x 2.5	8.21	7.0	25	85	500 T, 1000 T
1 X 4	5.09	8.0	40	105	500 T, 1000 T
1 X 6	3.39	9.0	60	140	500 T, 1000 T
1 X 10	1.95	11.0	100	210	500 T, 1000 T
1 X 16	1.24	12.0	160	290	500 T, 1000 T
1 X 25	0.795	13.5	250	410	500 T, 1000 T
1 X 35	0.565	16.0	350	560	500 T, 1000 T
1 X 50	0.393	17.6	500	740	500 T, 1000 T
1 X 70	0.277	21.0	700	1,050	500 T, 1000 T
1 X 95	0.21	23.0	950	1,300	500 T, 1000 T
1 X 120	0.164	25.0	1,200	1,560	500 T, 1000 T
1 X 150	1.132	28.0	1,500	2,000	500 T, 1000 T
1 X 185	0.108	31.0	1,850	2,300	500 T, 1000 T
1 X 240	0.0817	34.0	2,400	3,000	500 T, 1000 T
<b>A07RN-F</b>					
7 G 1.5	13.7	15.5	105	330	500 T, 1000 T
9 G 1.5	13.7	17.0	135	428	500 T, 1000 T
12 G 1.5	13.7	20.0	180	470	500 T, 1000 T
19 G 1.5	13.7	23.0	285	620	500 T, 1000 T
24 G 1.5	13.7	27.0	360	870	500 T, 1000 T
27 G 1.5	13.7	27.0	405	1,077	500 T, 1000 T
7 G 2.5	8.21	17.5	175	470	500 T, 1000 T
12 G 2.5	8.21	23.0	300	650	500 T, 1000 T
19 G 2.5	8.21	28.0	475	1,100	500 T, 1000 T
24 G 2.5	8.21	32.5	600	1,260	500 T, 1000 T
7 G 4	5.090	20.0	280	703	500 T, 1000 T
12 G 4	5.090	26.5	480	1,020	500 T, 1000 T

Subject to technical changes.