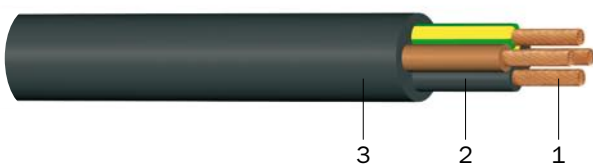


# H07RN-F (GMSuö)

**Heavy rubber-sheathed flexible cable**  
**Standard: ÖVE K 40 (HD 22)**

**Application:**

Usable under medium to heavy mechanical stress in dry and wet rooms, in free ambient or rooms subject to explosion hazards. Permissible for fixed installation on hoisting equipments, machinery etc. and for rated voltages up to 1000 V if installed protected in tubes or inside of devices and as motor power supply cable.



**Construction:**

- 1 Copper conductor, fine wire, tinned or bare
- 2 Insulation (EPR rubber)
- 3 Sheath (chloroprene rubber, black, oil and abrasion resistant)

- Rated voltage:** 450/750 V
- Test voltage:** 2500 Veff
- Temperature range:**  
 During installation: min. -25 °C  
 Operating temperature: -25 °C to +50 °C  
 Conductor temperature: max. +60 °C  
 Short circuit temperature of the conductor: max. +200 °C/5 s
- Bending radius (min.):** 4 x Ø of the cable
- Core identification:** colour code (ÖVE K 40)
- Flammability:** Self extinguishing (EN 50265-2-1, IEC 60332-1)
- Certification mark:** VDE Germany

Energy cables

Number of cores x nominal cross section (mm²)	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/packing (m)	Price (EUR/km)
<b>H07RN-F</b>						
3 G 1	20.000	9.5	30	120	500 Sp, 1000 Sp	1,837.12
2 X 1.5	13.700	9.5	30	130	500 Sp, 1000 Sp	2,028.71
3 G 1.5	13.700	10.5	45	150	100 R. 500 Sp, 1000 Sp	<b>2,184.58</b>
4 G 1.5	13.700	11.5	60	190	100 R. 500 Sp, 1000 Sp	<b>2,731.09</b>
5 G 1.5	13.700	12.5	75	230	100 R. 500 Sp, 1000 T	<b>3,433.18</b>
2 X 2.5	8.210	11.5	50	190	500 Sp, 1000 Sp	2,893.40
3 G 2.5	8.210	12.5	75	220	100 R. 500 Sp, 1000 T	<b>3,145.95</b>
4 G 2.5	8.210	14.0	100	280	100 R. 500 Sp, 1000 T	<b>3,862.23</b>
5 G 2.5	8.210	15.5	125	340	100 R. 500 Sp, 1000 T	<b>5,020.96</b>
2 X 4	5.090	13.5	80	240	500 T, 1000 T	4,174.32
3 G 4	5.090	14.5	120	305	500 T, 1000 T	4,382.26
4 G 4	5.090	16.0	160	390	500 T, 1000 T	<b>5,505.51</b>
5 G 4	5.090	17.5	200	470	500 T, 1000 T	<b>7,134.65</b>
2 X 6	3.390	15.0	120	290	500 T, 1000 T	5,355.80
3 G 6	3.390	16.0	180	495	500 T, 1000 T	5,793.48
4 G 6	3.390	17.5	240	520	500 T, 1000 T	<b>7,472.87</b>
5 G 6	3.390	19.0	300	640	500 T, 1000 T	<b>9,057.04</b>
3 G 10	1.950	22.0	300	880	500 T, 1000 T	10,009.24
4 G 10	1.950	24.0	400	950	500 T, 1000 T	<b>10,714.60</b>
5 G 10	1.950	26.0	500	1,150	500 T, 1000 T	<b>15,664.20</b>

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Number of cores x nominal cross section (mm <sup>2</sup> )	Max. conductor resistance ( $\Omega$ /km)	Outer diameter (mm) appr.	Cu- value (kg/km)	Total weight (kg/km) appr.	Standard lengths/ packing (m)	Price (EUR/km)
<b>H07RN-F</b>						
4 G 16	1.240	27.0	640	1,400	500 T, 1000 T	<b>15,449.44</b>
5 G 16	1.240	30.0	800	1,700	500 T, 1000 T	<b>20,393.48</b>
4 G 25	0.795	32.5	1,000	1,950	500 T, 1000 T	<b>23,328.54</b>
5 G 25	0.795	36.0	1,250	2,400	500 T, 1000 T	<b>35,274.98</b>
4 G 35	0.565	37.0	1,400	2,700	500 T, 1000 T	<b>31,362.03</b>
5 G 35	0.565	38.0	1,750	3,000	500 T, 1000 T	<b>46,233.11</b>
4 G 50	0.393	42.0	2,000	3,600	500 T	<b>42,446.51</b>
5 G 50	0.393	50.0	2,500	4,390	500 T	68,670.75
4 G 70	0.277	49.5	2,800	4,900	500 T	<b>60,056.35</b>
4 G 95	0.210	55.5	3,800	6,200	500 T	<b>79,650.00</b>
4 G 120	0.164	60.0	4,800	7,800	500 T	101,819.40
4 G 150	0.132	65.0	6,000	9,700	500 T	139,786.61
1 X 1.5	13.700	6.5	15	55	500 T, 1000 T	880.03
1 X 2.5	8.210	7.0	25	85	500 T, 1000 T	1,221.92
1 X 4	5.090	8.0	40	105	500 T, 1000 T	1,516.96
1 X 6	3.390	9.0	60	140	500 T, 1000 T	1,865.46
1 X 10	1.950	11.0	100	210	500 T, 1000 T	3,071.02
1 X 16	1.240	12.0	160	290	500 T, 1000 T	4,196.37
1 X 25	0.795	13.5	250	410	500 T, 1000 T	6,038.80
1 X 35	0.565	16.0	350	560	500 T, 1000 T	8,071.14
1 X 50	0.393	17.6	500	740	500 T, 1000 T	11,002.11
1 X 70	0.277	21.0	700	1,050	500 T, 1000 T	15,374.40
1 X 95	0.210	23.0	950	1,300	500 T, 1000 T	19,836.74
1 X 120	0.164	25.0	1,200	1,560	500 T, 1000 T	23,634.32
1 X 150	1.132	28.0	1,500	2,000	500 T, 1000 T	29,587.88
1 X 185	0.108	31.0	1,850	2,300	500 T, 1000 T	36,958.70
1 X 240	0.082	34.0	2,400	3,000	500 T, 1000 T	47,898.67
<b>H07RN-F</b>						
7 G 1.5	13.700	15.5	105	330	500 T, 1000 T	<b>7,024.84</b>
9 G 1.5	13.700	17.0	135	428	500 T, 1000 T	10,481.01
12 G 1.5	13.700	20.0	180	470	500 T, 1000 T	<b>11,587.08</b>
19 G 1.5	13.700	23.0	285	620	500 T, 1000 T	<b>18,312.89</b>
24 G 1.5	13.700	27.0	360	870	500 T, 1000 T	<b>22,774.97</b>
27 G 1.5	13.700	27.0	405	1,077	500 T, 1000 T	24,846.92
7 G 2.5	8.210	17.5	175	470	500 T, 1000 T	9,209.82
12 G 2.5	8.210	23.0	300	650	500 T, 1000 T	17,269.56
19 G 2.5	8.210	28.0	475	1,100	500 T, 1000 T	24,482.10
24 G 2.5	8.210	32.5	600	1,260	500 T, 1000 T	34,985.84
7 G 4	5.090	20.0	280	703	500 T, 1000 T	16,932.82
12 G 4	5.090	26.5	480	1,020	500 T, 1000 T	25,017.48

Subject to technical changes. All figures are therefore without guarantee.