

# H05RR-F (GML)

Light flexible cable

Standard: ÖVE K 40 (HD 22)

### Usage:

For use with light to moderate mechanical stressing in households and office premises for light electrical equipment. Not suitable for continuous use in the open air or for use in premises used industrially.



### Construction:

- 1 Copper conductor, fine wire
- 2 Core insulation (rubber)
- 3 Sheath (rubber black)



**Rated voltage:** 300/500 V



**Test voltage:** 2000 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 (HD 308 S2)



**Test certificate:** VDE Germany

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>H05RR-F (GML)</b>					
2 X 0.75	26.7	7.0	15	61	500 Sp, 1000 Sp
3 G 0.75	26.7	7.5	22.5	74	100 R, 500 Sp, 1000 Sp
4 G 0.75	26.7	8.0	30	90	500 Sp, 1000 Sp
5 G 0.75	26.7	8.5	37.5	110	500 Sp, 1000 Sp
2 X 1	20.0	7.7	20	71	500 Sp, 1000 Sp
3 G 1	20.0	8.0	30	83	100 R, 500 Sp, 1000 Sp
4 G 1	20.0	8.5	40	105	500 Sp, 1000 Sp
5 G 1	20.0	9.5	50	140	500 Sp, 1000 Sp
2 X 1.5	13.7	8.5	30	110	500 Sp, 1000 Sp
3 G 1.5	13.7	9.0	45	125	100 R, 500 Sp, 1000 Sp
4 G 1.5	13.7	10.0	60	160	100 R, 500 Sp, 1000 Sp
5 G 1.5	13.7	11.5	75	195	100 R, 500 Sp, 1000 Sp
2 X 2.5	8.2	10.5	50	150	500 Sp, 1000 Sp
3 G 2.5	8.2	11.0	75	180	100 R, 500 Sp, 1000 Sp
4 G 2.5	8.2	12.0	100	240	100 R, 500 Sp, 1000 Sp
5 G 2.5	8.2	13.0	125	290	100 R, 500 Sp, 1000 Sp

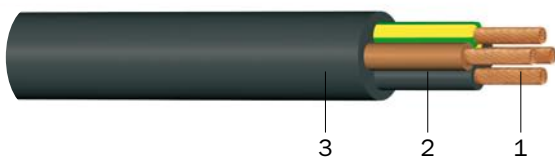
Subject to technical changes.

# 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 (HD 308 S2)



### Fire properties:

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



**Test certificate:** VDE Germany

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>					
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.