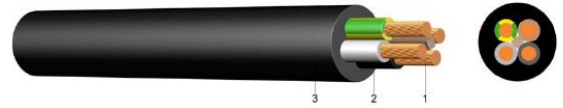


Neoprene cable

H05RN-F 300/500V

H07RN-F 450/750V



1---conductor 2---insulation 3---outer sheath

H07RN-F flexible rubber cables are suitable for use in domestic appliances, such as kitchens, portable or mobile equipment, electrical tools, transformers, pumps, welders, grinders etc. Also for use in drainage and water treatment, cold environments and severe industrial environments. H07RN-F cable may be rated **0.6/1KV** where the installation has been built in protection.

CONSTRUCTION

Conductors	Annealed flexible stranded bare copper or tinned copper, class 5 to EN 60228			
Insulation	Ethylene-propylene rubber (EPR) type EI4 in according to EN 50363-1			
Circuit Identification	Number of Core	G (earth core)		
	2	Blue, brown		
	3	Green/yellow, blue, brown		
	4	Green/yellow, brown, black, grey		
	5	Green/yellow, blue, brown, black, grey		
6 & above	Green/yellow, other cores			
Filler	A rubber filler will be applied between insulated conductors for sizes $\geq 10\text{mm}^2$			
Separator	A non-woven separator will be applied between insulated conductor & jacket for size $\geq 10\text{mm}^2$			
Jacket	Black, Chlorinated Polyethylene rubber (CPE) EM2 in according to EN 50363-2-1			
Flammability	EN 60332-1-2: 2004, IEC 60332-1-2: 2004			
Reference standards	EN 60228, EN 50363-1, EN 50363-2-1, EN 60332-1-2, IEC 60332-1-2, DIN EN 50525-2-21			
Approval	VDE,RoHS,CE,CPR(Eca)			
Minimum bending radius	For cable diameter D (mm)			
	D ≤ 8	8 < D ≤ 12	12 < D ≤ 20	D > 20
Fixed installation	3 D	3 D	4 D	4 D
At inlet of portable appliance or mobile equipment, no mechanical load on cable	4 D	4 D	5 D	6 D
Under mechanical load	6 D	6 D	6 D	8 D

FEATURES

- Maximum conductor operating temperature: +90°C *
- Maximum conductor temperature during short circuit: +250°C
- Lowest ambient temperature for fixed installation: -40°C
- Lowest ambient temperature for mobile installation: -25°C
- UV, sunlight, water, oil, abrasion resistant
- -25 meter submersible under water
- Max continuous operating conductor temperature in normal use:
 - +60°C (in every case of mobile installation)
 - +90°C (fixed protected installation)

DATA SHEET

Type	Size	Copper Strands $\pm 0.005\text{mm}$	Nominal Insulation Thickness	Nominal Jacket Thickness	Nominal Overall Diameter	Maximum Conductor Resistance at 20°C	Nominal Current at air temp. 30°C	
	mm ²	mm	mm	mm	mm		Ω/KM	Mobile
H05RN-F	2x0.75	23x0.20	0.6	6.3	6.3 ± 0.4	26.0	6	8
H05RN-F	2x1.0	30x0.20	0.6	6.8	6.8 ± 0.4	19.5	10	13
H05RN-F	3x0.75	23x0.20	0.6	6.9	6.9 ± 0.4	26.0	6	8
H05RN-F	3x1.0	30x0.20	0.6	7.2	7.2 ± 0.4	19.5	10	13

Type	Size	Copper Strands ±0.005mm	Nominal Insulation Thickness	Nominal Jacket Thickness	Nominal Overall Diameter	Maximum Conductor Resistance at 20°C	Nominal Current at air temp. 30°C	
	mm ²	mm	mm	mm	mm	Ω/KM	Mobile	Fixed
H07RN-F	2x1.5	46x0.20	0.8	9.4	9.4±0.6	13.3	16	23
H07RN-F	2x2.5	75x0.20	0.9	11.1	11.1±0.7	7.98	25	32
H07RN-F	2x4	54x0.30	1.0	12.9	12.9±0.8	4.95	34	43
H07RN-F	2x6	80x0.30	1.0	14.4	14.4±0.9	3.30	43	56
H07RN-F	2x10	77x0.40	1.2	19.9	19.9±1.2	1.91	60	77
H07RN-F	2x16	119x0.40	1.2	22.3	22.3±1.3	1.21	79	102
H07RN-F	2x25	189x0.40	1.4	26.3	26.3±1.6	0.780	105	136
H07RN-F	2x35	264x0.40	1.4	29.1	29.1±1.7	0.554	130	168
H07RN-F	2x50	396x0.40	1.6	34.4	34.4±2.1	0.386	160	203
H07RN-F	3x1.5	46x0.20	0.8	10.1	10.1±0.6	13.3	16	23
H07RN-F	3x2.5	75x0.20	0.9	11.9	11.9±0.7	7.98	25	32
H07RN-F	3x4	54x0.30	1.0	13.8	13.8±0.8	4.95	35	43
H07RN-F	3x6	80x0.30	1.0	15.4	15.4±0.9	3.30	44	56
H07RN-F	3x10	77x0.40	1.2	21.3	21.3±1.3	1.91	60	77
H07RN-F	3x16	119x0.40	1.2	23.9	23.9±1.4	1.21	82	102
H07RN-F	3x25	189x0.40	1.4	28.2	28.2±1.7	0.780	109	136
H07RN-F	3x35	264x0.40	1.4	31.3	31.3±1.9	0.554	135	168
H07RN-F	3x50	396x0.40	1.6	37.0	37.0±2.2	0.386	169	203
H07RN-F	4x1.5	46x0.20	0.8	11.2	11.2±0.7	13.3	16	21
H07RN-F	4x2.5	75x0.20	0.9	13.1	13.1±0.8	7.98	20	29
H07RN-F	4x4	54x0.30	1	15.2	15.2±0.9	4.95	30	38
H07RN-F	4x6	80x0.30	1	17.2	17.2±1.0	3.30	37	50
H07RN-F	4x10	77x0.40	1.2	23.3	23.3±1.4	1.91	52	68
H07RN-F	4x16	119x0.40	1.2	26.1	26.1±1.6	1.21	69	92
H07RN-F	4x25	189x0.40	1.4	31.2	31.2±1.9	0.780	92	122
H07RN-F	4x35	264x0.40	1.4	34.7	34.7±2.1	0.554	114	150
H07RN-F	4x50	396x0.40	1.6	40.9	40.9±2.5	0.386	143	182
H07RN-F	5x1.5	46x0.20	0.8	12.3	12.3±0.7	13.3	16	21
H07RN-F	5x2.5	75x0.20	0.9	14.4	14.4±0.9	7.98	20	29
H07RN-F	5x4	54x0.30	1.0	16.9	16.9±1.0	4.95	30	38
H07RN-F	5x6	80x0.30	1.0	19.0	19.0±1.1	3.30	38	50
H07RN-F	5x10	77x0.40	1.2	25.6	25.6±1.5	1.91	54	68
H07RN-F	5x16	119x0.40	1.2	28.9	28.9±1.7	1.21	71	92
H07RN-F	5x25	189x0.40	1.4	34.5	34.5±2.1	0.780	94	122
H07RN-F	5x35	264x0.40	1.4	38.1	38.1±2.3	0.554	114	150
H07RN-F	5x50	396x0.40	1.6	45.4	45.4±2.7	0.386	143	182

Notes:

All dimensions & weights are nominal subject to industry standards and tolerance unless otherwise noted.
All product data presented here is for information purpose only.