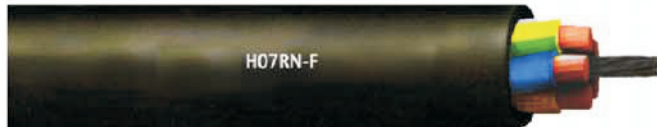


DRSKABEL H07RN-F DATA SHEET



Minimum and maximum exploitation temperature



Suitable for water



Oil resistant



UV resistant



Cable complies with requirements of RoHS directive

Flexible rubber insulated and sheathed cables

Standards: EN 50525-2-21

CONSTRUCTION

Conductors	Annealed flexible stranded tin coated class 5 to EN 60228
Separator	A suitable tape separator between the conductor and insulation
Insulation	Ethylene-propylene rubber (EPR) type EI4 in acc. to EN 50363-1
Circuit identification	Colour coding of power conductors comply to HD 308, DIN VDE 0293-308
Twin	Blue and brown
3-core	Green-yellow, blue, brown
4-core	Green-yellow, brown, black, grey
5-core	Green-yellow, blue, brown black, grey
Above 5-core	Green-yellow, other cores black with white numbering
Internal jacket	A synthetic thermosetting compound type EM3 in acc. to EN 50363-2-1 (above 2, 3, 4, 5 x 6 mm ² and 1x 50 mm ²)
Outer jacket	A synthetic thermosetting compound type EM2 in acc. to EN 50363-2-1
Colour of outer jacket	Black or other colours can be provided
Flame propagation	EN 60332-1-2:2004, IEC 60332-1-2:2004
Standard marking	DRSKABEL H07RN-F SIZES

CHARACTERISTICS

Excellent flexibility

Flame retardant

Temperature range: -25°C to +60°C. For fixed protected installation -40°C to +90°C

UV, sunlight, ozone and oil resistant

Ink jet printed for easy identification

Application

The cables may be rated 0.6/1 kV where the installation has been built in protection and for motors in lifting appliances – machine tools etc.
Also designed for use as submersible pump cables to a water depth of about 50 m
Heavy-duty flexible cables for medium mechanical stress in dry and wet, suitable for large boiling installations, heating plates
Inspection lamps, electrical tools such as drills circular saws
Domestic electric tools, transportable motors etc.
Other industrial applications

Standard length cable packing

1000 m on drums. Other forms of packing and delivery are available on request



Size	Number x average diameter of wire	Nominal Thickness of insulation	Nominal Thickness of Jacket	Approximate O.D of cable	Approximate Weight of cable	Maximum conductor resistance at 20 °C
n * mm ²	mm±0.01mm	mm	mm	mm	kg/km	Ω/km
1*1.5	30/0.24	0.8	1.4	6±0.5	57	13.3
1*2.5	49/0.24	0.9	1.4	6.7±0.5	75	7.98
1*4	56/0.286	1.0	1.5	7.7±0.5	104	4.95
1*6	84/0.286	1.0	1.6	8.5±0.5	131	3.3
1*10	73/0.4	1.2	1.8	10.3±0.5	202	1.91
1*16	116/0.4	1.2	1.9	11.5±0.6	278	1.21
1*25	177/0.4	1.4	2	13.6±0.7	389	0.78
1*35	252/0.4	1.4	2.2	15.2±0.8	509	0.554
1*50	362/0.4	1.6	2.4	17.6±0.9	704	0.386
1*70	515/0.4	1.6	2.6	19.7±1	939	0.272
1*95	680/0.4	1.8	2.8	22.1±1.1	1205	0.206
1*120	868/0.4	1.8	3	24.5±1.2	1479	0.161
1*150	1087/0.4	2.0	3.2	26.8±1.3	1817	0.129
1*185	1326/0.4	2.2	3.4	29.1±1.5	2197	0.106
1*240	1745/0.4	2.4	3.5	32.5±1.6	2808	0.0801
1*300	1405/0.5	2.6	3.6	35.7±1.8	3486	0.0641
1*400	1855/0.5	2.8	3.8	39.9±2	4530	0.0486
1*500	2318/0.5	3	4	45±2.5	5520	0.0384
1*630	3111/0.5	3	4.1	50±2.5	6963	0.0287
2*0.75	24/0.191	0.6	0.8	6.4±0.5	62	26
2*1	32/0.191	0.6	0.9	6.8±0.5	74	19.5
2*1.5	30/0.24	0.8	1	8.3±0.5	109	13.3
2*2.5	49/0.24	0.9	1.1	10±0.5	159	7.98
2*4	56/0.286	1.0	1.2	11.7±0.6	227	4.95
2*6	84/0.286	1.0	1.3	13±0.6	297	3.3
2*10	73/0.4	1.2	3.1	19.3±1	519	1.91
2*16	116/0.4	1.2	3.3	21.7±1.1	707	1.21
2*25	177/0.4	1.4	3.6	26±1.3	1009	0.78
3*1	32/0.191	0.6	0.9	7.2±0.5	87	19.5
3*1.5	30/0.24	0.8	1	8.8±0.5	129	13.3
3*2.5	49/0.24	0.9	1.1	10.5±0.5	189	7.98
3*4	56/0.286	1.0	1.2	12.4±0.6	273	4.95
3*6	84/0.286	1.0	1.4	13.8±0.7	361	3.3
3*10	73/0.4	1.2	3.3	20.7±1	685	1.91
3*16	116/0.4	1.2	3.5	23.3±1.2	933	1.21
3*25	177/0.4	1.4	3.8	27.9±1.4	1322	0.78
3*35	252/0.4	1.4	4.1	31±1.6	1710	0.554
3*50	362/0.4	1.6	4.5	37±2	2364	0.386



Size	Number x average diameter of wire	Nominal Thickness of insulation	Nominal Thickness of Jacket	Approximate O.D of cable	Approximate Weight of cable	Maximum conductor resistance at 20 °C
n * mm ²	mm ± 0.01mm	mm	mm	mm	kg/km	Ω/km
3*70	515/0.4	1.6	4.8	42.7 ± 2	3257	0.272
3*95	680/0.4	1.8	5.3	47.8 ± 2.4	4198	0.206
3*120	868/0.4	1.8	5.6	52.7 ± 3	5108	0.161
3*150	1087/0.4	2.0	6	56.5 ± 3	6261	0.129
3*185	1326/0.4	2.2	6.4	62.5 ± 3.5	7577	0.106
3*240	1745/0.4	2.4	7.1	71.2 ± 3.5	9824	0.0801
3*300	1405/0.5	2.6	7.7	80.4 ± 4	12215	0.0641
4*1	32/0.191	0.6	0.9	7.8 ± 0.5	104	19.5
4*1.5	30/0.24	0.8	1.1	9.8 ± 0.5	166	13.3
4*2.5	49/0.24	0.9	1.2	11.7 ± 0.6	240	7.98
4*4	56/0.286	1.0	1.3	13.8 ± 0.7	345	4.95
4*6	84/0.286	1.0	1.5	15.4 ± 0.8	456	3.3
4*10	73/0.4	1.2	3.4	22.7 ± 1.1	857	1.91
4*16	116/0.4	1.2	3.6	25.4 ± 1.3	1173	1.21
4*25	177/0.4	1.4	4.1	30.9 ± 1.5	1693	0.78
4*35	252/0.4	1.4	4.4	34.3 ± 1.7	2196	0.554
4*50	362/0.4	1.6	4.8	39.9 ± 2	3049	0.386
4*70	515/0.4	1.6	5.2	44.7 ± 2.2	4302	0.272
4*95	680/0.4	1.8	5.9	50.8 ± 2.5	5583	0.206
4*120	868/0.4	1.8	6	58.5 ± 3	6734	0.161
4*150	1087/0.4	2.0	6.5	62.8 ± 3.5	8286	0.129
4*185	1326/0.4	2.2	7	69.6 ± 3.5	10059	0.106
4*240	1745/0.4	2.4	7.7	79.2 ± 4	13035	0.0801
5*1	32/0.191	0.6	1	8.8 ± 0.5	128	19.5
5*1.5	30/0.24	0.8	1.1	10.7 ± 0.5	194	13.3
5*2.5	49/0.24	0.9	1.3	13 ± 0.6	290	7.98
5*4	56/0.286	1.0	1.4	15.4 ± 0.8	424	4.95
5*6	84/0.286	1.0	1.6	17.2 ± 0.9	570	3.3
5*10	73/0.4	1.2	3.6	24.9 ± 1.2	1054	1.91
5*16	116/0.4	1.2	3.9	28.2 ± 1.4	1457	1.21
5*25	177/0.4	1.4	4.4	34.2 ± 1.7	2085	0.78
5*35	252/0.4	1.4	4.6	37.8 ± 1.9	2734	0.554
5*50	362/0.4	1.6	5.2	44.3 ± 2.2	3804	0.386
5*70	515/0.4	1.6	5.7	49.8 ± 2.5	5368	0.272
5*95	680/0.4	1.8	6.3	59.3 ± 3	6958	0.206
5*120	868/0.4	1.8	6.3	64.9 ± 3.5	8332	0.161
5*150	1087/0.4	2.0	6.8	69.7 ± 3.5	10239	0.129
5*185	1326/0.4	2.2	7.4	77.2 ± 4	12417	0.106