We Make Modern Life Possible.

PVC AND RUBBER CABLES AND WIRES

H07RN-F (GMSuö)

Heavy flexible cable, oil resistant

Usable under medium to heavy mechanical stress in dry and wet rooms, in 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.



TECHNICAL DATA

Standard
EN 50525-2-21

Certificate
VDE Germany

Test Voltage
2.5 kV / 50 Hz

Rated Voltage
450/750 V (Uo/U)

Bending radius (min.)
4 x Ø of cable

Fire properties
EN 60332-1-2: flame retardant and self-extinguishing

Core identification
HD 308 S2

Temperature range
Laying temperature: min. -25°C
Operating temperature: -25°C up to 50°C
Conductor temperature: max. 60°C
Short circuit temperature: max. 200°C

DESIGN



Number of cores x nominal cross-section	Max. conductor resistance (Ω/km)	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
2 x 1	20.0	9.0	100	500 SP, 1000 SP
3 x 1	20.0	9.5	120	500 SP, 1000 SP
4 x 1	20.0	11.5	190	500 SP, 1000 SP
5 x 1	20.0	11.5	180	500 SP, 1000 SP
2 x 1.5	13.7	9.5	130	500 SP, 1000 SP
3 x 1.5	13.7	10.5	150	100 R, 500 SP, 1000 T
3 x 1.5	13.7	10.5	150	100 R, 500 SP, 1000 T
4 x 1.5	13.7	11.5	190	100 R, 500 SP, 1000 T
5 x 1.5	13.7	12.5	230	100 R, 500 SP, 1000 T
5 x 1.5	13.7	12.5	230	500 T, 1000 T
7 x 1.5	13.7	15.5	330	500 T, 1000 T
9 x 1.5	13.7	17.0	428	500 T, 1000 T
12 x 1.5	13.7	20.0	470	500 T, 1000 T
19 x 1.5	13.7	23.0	620	500 T, 1000 T
24 x 1.5	13.7	25.5	1000	500 T, 1000 T
27 x 1.5	13.7	27.0	1077	500 T, 1000 T
37 x 1.5	13.7	33.0	1290	500 T, 1000 T
2 x 2.5	8.21	11.5	190	500 SP, 1000 SP
3 x 2.5	8.21	12.5	220	100 R, 500 SP, 1000 T
3 x 2.5	8.21	12.5	220	100 R, 500 SP, 1000 T
4 x 2.5	8.21	14.0	280	100 R, 500 SP, 1000 T
5 x 2.5	8.21	15.5	340	100 R, 500 SP, 1000 T
5 x 2.5	8.21	15.5	340	500 T, 1000 T
7 x 2.5	8.21	17.5	470	500 T, 1000 T
12 x 2.5	8.21	23.0	650	500 T, 1000 T
19 x 2.5	8.21	28.0	1100	500 T, 1000 T
24 x 2.5	8.21	32.5	1260	500 T, 1000 T
27 x 2.5	8.21	36.0	1577	500 T, 1000 T
1 x 4	5.09	8.0	105	500 T, 1000 T
2 x 4	5.09	13.5	240	500 T, 1000 T
3 x 4	5.09	14.5	305	500 T, 1000 T
4 x 4	5.09	16.0	390	500 T, 1000 T
5 x 4	5.09	17.5	470	500 T, 1000 T
5 x 4	5.09	17.5	470	500 T, 1000 T
7 x 4	5.09	20.0	703	500 T, 1000 T
12 x 4	5.09	26.5	1020	500 T, 1000 T
1 x 6	3.39	9.0	140	500 T, 1000 T
2 x 6	3.39	15.0	290	500 T, 1000 T
3 x 6	3.39	16.0	495	500 T, 1000 T
3 x 6	3.39	16.0	495	500 T, 1000 T
4 x 6	3.39	17.5	520	500 T, 1000 T
5 x 6	3.39	19.0	640	500 T, 1000 T
5 x 6	3.39	19.0	640	500 T, 1000 T
1 x 10	1.95	11.0	210	500 T, 1000 T

Number of cores x nominal cross-section	Max. conductor resistance (Ω/km)	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
2 x 10	1.95	21.0	620	500 T, 1000 T
3 x 10	1.95	22.0	880	500 T, 1000 T
4 x 10	1.95	24.0	950	500 T, 1000 T
5 x 10	1.95	26.0	1150	500 T, 1000 T
1 x 16	1.24	12.0	290	500 T, 1000 T
3 x 16	1.21	24.5	1260	500 T, 1000 T
4 x 16	1.24	27.0	1400	500 T, 1000 T
5 x 16	1.24	30.0	1700	500 T, 1000 T
1 x 25	0.795	13.5	410	500 T, 1000 T
3 x 25	0.795	28.5	1457	500 T, 1000 T
4 x 25	0.795	32.5	1950	500 T, 1000 T
5 x 25	0.795	36.0	2400	500 T, 1000 T
1 x 35	0.565	16.0	560	500 T, 1000 T
3 x 35	0.565	29.6	1850	500 T, 1000 T
4 x 35	0.565	37.0	2700	500 T, 1000 T
5 x 35	0.565	38.0	3000	500 D
1 x 50	0.393	17.6	740	500 T, 1000 T
1 x 50	0.393	17.6	740	500 T, 1000 T
3 x 50	0.393	36.0	3790	500 D
4 x 50	0.393	42.0	3600	500 D
5 x 50	0.393	44.5	3950	500 D
1 x 70	0.277	21.0	1050	500 T, 1000 T
4 x 70	0.277	49.5	4900	500 D
1 x 95	0.21	23.0	1300	500 T, 1000 T
4 x 95	0.21	55.5	6200	500 D
1 x 120	0.164	25.0	1560	500 T, 1000 T
4 x 120	0.164	60.0	7800	500 D
1 x 150	0.132	28.0	2000	500 T, 1000 T
4 x 150	0.132	65.0	9700	500 D
5 x 150	0.132	73.0	10500	500 D
1 x 185	0.108	31.0	2300	500 T, 1000 T
4 x 185	0.108	65.0	9700	500 D
1 x 240	0.082	34.0	3000	500 T, 1000 T
4 x 240	0.082	74.0	13120	500 D
1 x 300	0.064	34.1	3600	500 T, 1000 T

Technical changes reserved. All figures are therefore without guarantee.



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