

OZOFLEX**H07RN-F****DIN VDE 0282-4 AND HD 22.4****FEATURES AND APPLICATION**permissible temperature
during normal operationpermissible temperature
during short circuit ≤ 5 sflame propagation acc. DIN
EN 50265-1 and DIN EN
50265-2-1

UV- and ozone resistant

oil resistant according to
DIN VDE 0472 part 803

flexible

OZOFLEX-flexible rubber-sheathed cables are intended for flexible connection to electrical equipment under conditions of medium mechanical stressing, indoors and outdoors. They may be used in industrial and agricultural plant, in explosion-hazard areas according to DIN VDE 065, in locations subject to fire risk, on construction sites according to DIN VDE 0100 part 704, in open-cut mines and quarries according to DIN VDE 0168. OZOFLEX-flexible rubber-sheathed cables may also be fixed-mounted in impermanent structures or in temporary living accommodation (e.g. on plastered walls), or fitted on excavators and on hoisting gear. When installed protected in conduits or equipment, or if they serve in the rotor connection circuits of motors, these cables may be operated with a rated voltage to earth of up to 1000 V AC or 750 V DC respectively.

DESCRIPTION**TYPE-DESIGNATION**

H07RN-F ...X... 450/750 V without green-yellow core

H07RN-F ...G... 450/750 V with green-yellow core

CONDUCTORcopper conductor,
circular, finely stranded, class 5**INSULATION**

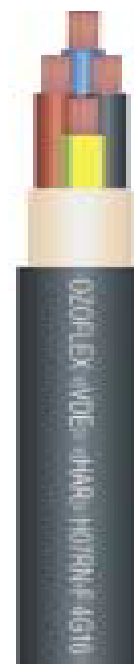
Etylene-Propylene-Rubber (EPR)

COLOR OF CORESaccording to HD 308 for single-, and multicore cables up to 5 cores,
respectively HD 186 for multicore cables with more than 5 cores**INNERSHEATH**

extruded rubber compound

1-core: from 70 mm²**2 ... 4-core:** from 10 mm²**5-core:** from 6 mm²**multicore (> 5 cores):** for all designs**OUTERSHEATH**

synthetic rubber, black

**LAYING**minimum permissible
temperature for
laying and
transport -25 °C

outdoors

connection of
household equipmenton cranes and
other machinery**ADDITIONAL INFORMATION**The continuous tensile stress must not exceed 15 N per mm² conductor cross-section.

OZOFLEX**H07RN-F**

DIN VDE 0282-4 AND HD 22.4

ORDER- AND DESIGN DATA

number of cores and cross- section	material-code	diameter of conductor (approx. value)	outer- diameter (approx. value)	weight approx. kg/km	current-carrying capacity		minimum bending radius	
					free in air	on a surface	for fixed installation	for free movement
mm ²		mm	mm		A	A	mm	mm

H07RN-F ...X...**1-core**

1X2,5	5DH2 1055	1,9	6,5	74	32	26	20	20
1X4	5DH2 1065	2,5	7,5	101	42	34	23	23
1X6	5DH2 1075	3,2	8,3	129	54	44	25	33
1X10	5DH2 1105	4,1	10,0	202	73	61	30	40
1X16	5DH2 1125	5,6	12,0	279	98	82	36	48
1X25	5DH2 1135	6,8	13,5	407	129	108	54	68
1X35	5DH2 1145	8,1	15,5	540	158	135	62	78
1X50	5DH2 1155	9,6	18,0	740	198	168	72	90
1X70	5DH2 1165	11,2	19,5	980	245	208	78	98
1X95	5DH2 1175	13,2	22,5	1260	292	250	90	113
1X120	5DH2 1185	14,9	24,5	1560	344	292	98	123
1X150	5DH2 1205	16,6	27,0	1920	391	335	108	135
1X185	5DH2 1215	18,0	29,5	2300	448	382	118	148
1X240	5DH2 1225	21,2	33,0	2960	528	453	132	165
1X300	5DH2 1235	23,6	36,0	3610	608	523	144	180

2-core

2X1	5DH2 2035	1,2	8,3	102	16	15	25	33
2X1,5	5DH2 2045	1,5	9,2	128	19	18	28	37
2X2,5	5DH2 2055	1,9	11,0	190	27	26	33	44
2X4	5DH2 2065	2,5	12,5	263	36	34	50	63

3-core

3X1,5	5DH2 8554	1,5	10,0	154	19	18	30	40
3X2,5	5DH2 8564	1,9	11,5	229	27	26	35	46
3X4	5DH2 8574	2,5	13,5	319	36	34	54	68
3X6	5DH2 8584	3,2	15,5	422	46	44	62	78
3X10	5DH2 8604	4,1	21,0	770	64	61	84	105
3X16	5DH2 8314	5,6	24,5	1060	86	82	98	123
3X25	5DH2 8324	6,8	28,5	1500	113	108	114	143
3X35	5DH2 8054	8,1	32,0	1970	142	135	128	160
3X50	5DH2 8064	9,6	37,0	2700	177	168	148	185
3X70	5DH2 8614	11,2	41,0	3520	217	207	164	205
3X95	5DH2 7734	13,2	47,0	4570	263	250	188	235
3X120	5DH2 7744	14,9	51,5	5620	307	292	206	258
3X185	5DH2 8854	18,0	61,5	8240	402	382	246	308

4-core

4X10	5DH2 8254	4,1	22,5	930	64	61	90	113
4X16	5DH2 8264	5,6	27,0	1300	86	82	108	135
4X25	5DH2 8374	6,8	31,5	1880	113	108	126	158
4X35	5DH2 8384	8,1	35,5	2450	142	135	142	178

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					free in air	on a surface	for fixed installation	for free movement
mm ²		mm	mm		A	A	mm	mm

H07RN-F ...G...**3-core**

3G1	5DH2 3035	1,2	8,9	122	16	15	27	36
3G1,5	5DH2 3045	1,5	10,0	154	19	18	30	40
3G2,5	5DH2 3055	1,9	11,5	229	27	26	35	46
3G4	5DH2 3065	2,5	13,5	319	36	34	54	68
3G6	5DH2 3075	3,2	15,5	420	46	44	62	78
3G10	5DH2 3105	4,1	21,0	770	64	61	84	105
3G16	5DH2 3125	5,6	24,5	1060	86	82	98	123

4-core

4G1	5DH2 4035	1,2	9,8	148	16	15	29	39
4G1,5	5DH2 4045	1,5	11,0	192	19	18	33	44
4G2,5	5DH2 4055	1,9	13,0	279	27	26	52	65
4G4	5DH2 4065	2,5	15,0	388	36	34	60	75
4G6	5DH2 4075	3,2	17,0	520	46	44	68	85
4G10	5DH2 4105	4,1	22,5	930	64	61	90	113
4G16	5DH2 4125	5,6	27,0	1300	86	82	108	135
4G25	5DH2 4135	6,8	31,5	1880	113	108	126	158
4G35	5DH2 4145	8,1	35,5	2450	142	135	142	178
4G50	5DH2 4155	9,6	41,0	3380	177	168	164	205
4G70	5DH2 4165	11,2	45,5	4450	217	207	182	228
4G95	5DH2 4175	13,2	52,5	5830	263	250	210	263
4G120	5DH2 4185	14,9	57,0	7100	307	292	228	285

5-core

5G1	5DH2 5035	1,2	11,0	186	16	15	33	44
5G1,5	5DH2 5045	1,5	12,0	233	19	18	36	48
5G2,5	5DH2 5055	1,9	14,0	335	27	26	56	70
5G4	5DH2 5065	2,5	16,5	477	36	34	66	83
5G6	5DH2 5075	3,2	19,0	640	46	44	76	95
5G10	5DH2 5105	4,1	25,0	1130	64	61	100	125
5G16	5DH2 5125	5,6	29,5	1600	86	82	118	148
5G25	5DH2 5135	6,8	35,0	2310	113	108	140	175

multicore

7G1,5	5DH2 5805	1,5	15,5	370	19	18	62	78
7G2,5	5DH2 5905	1,9	18,5	530	27	26	74	93
8G2,5	5DH2 5915	1,9	19,5	590	27	26	78	98
12G2,5	5DH2 5935	1,9	22,0	770	27	26	88	110
18G2,5	5DH2 5955	1,9	26,5	1090	27	26	106	133
24G2,5	5DH2 5965	1,9	30,5	1430	27	26	122	153