

H07RN-F

Rubber Sheathed cable, harmonized type, acc. to CPR UE 305/11, EN 50575:2014 + A1:2016, Eca

HAR

ELETTROTEK KABEL® H07RN-F, Eca

Construction:

Conductor:	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	rubber type EI4
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Stranding:	in layers
Outer sheath:	black (similar to RAL 9005), rubber PCP type EM2

Resistance:



Self-extinguishing and flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1-2



Ozone resistance to insulation acc. to:
DIN VDE 0472 part 805, test method A or part 805 A1, test method C

Technical data:

Nominal voltage:	U ₀ /U 450/750 V*
Test voltage:	2,5 kV
Temperature range:	-40°C up to +60°C
<i>Installation temp.:</i>	up to -25°C
<i>Short circuit temp.:</i>	up to + 200°C
Min. bending radius:	
<i>Fixed laying:</i>	4 x D
<i>Flexible application:</i>	6 x D
Tensile strength:	
<i>Fixed laying:</i>	15 n/mm ²
<i>Flexible application:</i>	50 n/mm ²

Features:

acc. to standard EN 50525-2-21
can be used up to +85°C for fixed protected installations
*0,6/1 kV (for fixed and protected laying)
high flexibility
outdoor use
UV, ozone and water resistant
weather resistant
abrasion resistant
impact, crush and tear resistant
oils and fats resistant
acc. to CPR UE 305/11, EN 50575:2014 + A1:2016, Eca
classification EN 13501-6
for MINIMUM BENDING RADIUS see pages from 5 to 8 of catalogue

RoHS and CE approval



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Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.*)
03070E7L010M15	1x1,5	6,3	14	52	16
03070E7L010M25	1x2,5	7	24	72	14
03070E7L010M40	1x4	8	38	95	12
03070E7L010M60	1x6	8,7	58	125	10
03070E7L010M61	1x10	10,7	96	198	8
03070E7L010M62	1x16	12	154	265	6
03070E7L010M63	1x25	14,2	240	378	4
03070E7L010M64	1x35	16	336	498	2
03070E7L010M65	1x50	18,4	480	684	1
03070E7L010M66	1x70	20,8	672	905	2/0
03070E7L010M67	1x95	23,2	912	1173	3/0
03070E7L010M68	1x120	25,5	1152	1451	4/0
03070E7L010M69	1x150	28	1440	1732	250 MCM
03070E7L010M70	1x185	30,5	1776	2166	350 MCM
03070E7L010M71	1x240	34,1	2304	2783	450 MCM
03070E7L010M72	1x300	37,5	2880	3457	550 MCM
03070E7L010M73	1x400	41,6	3840	4610	750 MCM
03070E7L010M74	1x500	48,8	4800	5515	1000 MCM
03070E7L010M75	1x630	51,7	6048	6810	1250 MCM
03070E73020M10	2x1	8,8	19	98	18
03070E73020M15	2x1,5	9,6	29	122	16
03070E73020M25	2x2,5	11,5	48	178	14
03070E73020M40	2x4	13,2	77	246	12
03070E73020M60	2x6	14,7	115	326	10
03070E73020M61	2x10	20,7	192	556	8
03070E73020M62	2x16	23,5	307	737	6
03070E73020M63	2x25	28	480	1068	4
03070E73020M64	2x35	31,3	672	1383	2
03070E73020M65	2x50	34,4	960	1978	1
03070E73020M66	2x70	39,1	1344	2570	2/0
03070E73020M67	2x95	44	1824	3653	3/0
03070E72031M10	3G1	9,4	29	119	18
03070E72031M15	3G1,5	10,5	43	149	16
03070E72031M25	3G2,5	12,3	72	214	14
03070E72031M40	3G4	14,2	115	290	12
03070E72031M60	3G6	15,8	173	386	10
03070E72031M61	3G10	21,5	288	717	8
03070E72031M62	3G16	24,4	461	951	6
03070E72031M63	3G25	29,3	720	1309	4
03070E72031M64	3G35	32,7	1008	1764	2
03070E72031M65	3G50	38,3	1440	2762	1
03070E72031M66	3G70	44	2016	3174	2/0
03070E72031M67	3G95	49,2	2736	4298	3/0
03070E72031M68	3G120	55	3456	5055	4/0
03070E72031M69	3G150	60,4	4320	6225	250 MCM
03070E72031M70	3G185	65,5	5328	7461	350 MCM
03070E72031M71	3G240	74,9	6192	9722	450 MCM
03070E72031M72	3G300	82,8	8640	10942	550 MCM

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03070E72041M10	4G1	10,5	38	140	18
03070E72041M15	4G1,5	11,5	58	180	16
03070E72041M25	4G2,5	13,6	96	263	14
03070E72041M40	4G4	15,7	154	360	12
03070E72041M60	4G6	17,5	230	481	10
03070E72041M61	4G10	23,5	384	861	8
03070E72041M62	4G16	26,7	614	1165	6
03070E72041M63	4G25	32,4	960	1714	4
03070E72041M64	4G35	36,3	1334	2239	2
03070E72041M65	4G50	42	1920	3060	1
03070E72041M66	4G70	47,6	2688	4255	2/0
03070E72041M67	4G95	53,8	3638	6023	3/0
03070E72041M68	4G120	58,3	4608	6522	4/0
03070E72041M69	4G150	64,2	5760	8012	250 MCM
03070E72041M70	4G185	70,2	7104	9571	350 MCM
03070E72041M71	4G240	74,9	9216	12867	450 MCM
03070E72041M72	4G300	86,3	11520	13890	550 MCM
03070E72051M10	5G1	11,9	48	183	16
03070E72051M15	5G1,5	12,6	72	222	16
03070E72051M25	5G2,5	14,9	120	313	14
03070E72051M40	5G4	17,5	192	446	12
03070E72051M60	5G6	19,5	288	596	10
03070E72051M61	5G10	25,5	480	1055	8
03070E72051M62	5G16	29,5	768	1445	6
03070E72051M63	5G25	35,7	1200	2158	4
03070E72051M64	5G35	40,7	1680	2729	2
03070E72051M65	5G50	47,6	2400	3805	1
03070E72051M66	5G70	52,2	3360	4922	2/0
03070E72051M67	5G95	59,7	4560	7133	3/0
03070E72051M68	5G120	61	5760	8051	4/0
03070E72051M69	5G150	73	7200	10500	250 MCM
03070E72051M70	5G185	74,8	8880	12208	350 MCM
03070E72051M71	5G240	81,9	11520	15230	450 MCM
03070E70071M15	7G1,5	15,7	101	340	16
03070E70071M25	7G2,5	18,3	168	478	14
03070E70071M40	7G4	22,7	268,8	658	12
03070E70071M60	7G6	22,5	403,2	915	10
03070E70101M15	10G1,5	17,6	144	439	16
03070E70121M15	12G1,5	19,7	175	481	16
03070E70121M25	12G2,5	22,5	288	719	14
03070E70121M40	12G4	25,8	460,8	1004	12
03070E70181M15	18G1,5	22	259,2	705	16
03070E70181M25	18G2,5	26	432	1026	14
03070E70191M15	19G1,5	24,2	274	743	16
03070E70191M25	19G2,5	27,9	456	1043	14
03070E70241M15	24G1,5	27,1	346	938	16
03070E70241M25	24G2,5	32,4	576	1337	14
03070E70251M15	25G1,5	26	360	889	16
03070E70271M25	27G2,5	37,1	648	1450	14
03070E70361M15	36G1,5	32,3	518,4	1276	16
03070E70361M25	36G2,5	38,4	864	1866	14

Other dimensions and colors available on request.