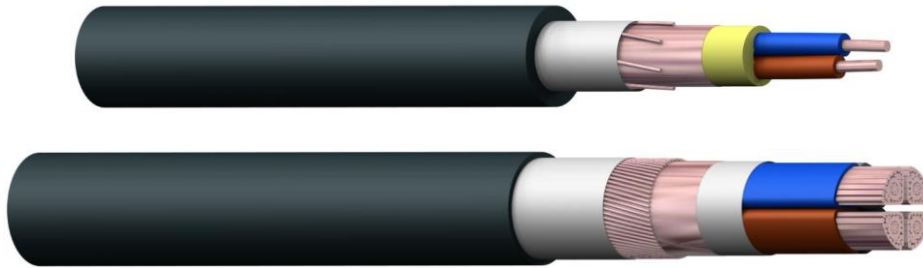


**EMCMK-HF / EXQJ-EMC / FXQJ-EMC
/ IFSI-EMC-Cu**

$U_0/U (U_m) = 0,6/1 (1,2) \text{ kV}$



Halogen free EMC-shielded copper power cable

CONSTRUCTION

Standard:	SFS 5546; HD 604 S1:1994/A3:2005 Part 5 Section I and D; IEC 60502-1 Applicable Parts
Conductor:	1,5...6 mm ² circular solid copper, IEC 60228 class 1 (EXQJ-EMC) 10...25 mm ² circular stranded copper, IEC 60228 class 2 (FXQJ-EMC) 35...240 mm ² annealed sector shaped stranded copper, IEC 60228 class 2 (FXQJ-EMC)
Insulation:	Halogen free XLPE-compound
Core identification:	2 core: blue, brown 3 core: brown, black grey 4 core: blue, brown, black grey
Inner covering:	Halogen free compound or tape
Collective screen:	Copper tape and copper wires
Sheath:	Halogen free UV-resistant polyolefin compound, colour black

MECHANICAL DETAILS

Minimum bending radii:	During handling and installation	12 x D
	In case of only one bending to final position	8 x D
Maximum pulling forces:	A = total area of conductors	
	Pulling by pulling-head, A x 50 N/mm ² (however max. 20 000 N)	
	Pulling by cable stocking, A x 20 N/mm ² (however max. 8 500 N)	
Temperature limits:	Max. conductor temperature	90 °C
	Max. conductor temperature during short circuit (duration not exceeding 5 sec.)	250 °C
	Min. temperature during handling and installation	-15 °C
	Min. temperature during transport	-40 °C
Applications:	Cables may be laid indoor, also in wet locations and outdoor for fixed installations on wall and on metallic structures. Direct burial in soil is allowed, as long as the relevant national rules of installations are followed. Collective screen gives an excellent protection against electromagnetic interference from the cable and to the cable.	

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FIRE PERFORMANCE (CPR)

EN 50575 Dca-s2, d2, a2

ADDITIONAL INFORMATION

EN/IEC 60754 Halogen free, non corrosive
EN/IEC 61034 Low smoke density

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REKA code	Size [mm ²]	Conductor resistance DC 20 °C [Ω/km]	Screen resistance DC 20 °C [Ω/km]	Diameter over the screen approx. [mm]	Insulation thickness [mm]	Sheath thickness [mm]	Overall diameter approx. [mm]	Weight approx. [kg/km]
1146739	2x1,5/1,5	12,1	12,1	9	0,7	1,8	12	200
1146740	2x2,5/2,5	7,41	7,41	10	0,7	1,8	14	260
1146741	2x4/4	4,61	4,61	11	0,7	1,8	15	330
1146743	2x6/6	3,08	3,08	12	0,7	1,8	16	410
1146744	2x10/10	1,83	1,83	15	0,7	1,8	18	600
1146745	2x16/16	1,15	1,15	17	0,7	1,8	21	840
1146690	3x1,5/1,5	12,1	12,1	9	0,7	1,8	13	240
1146691	3x2,5/2,5	7,41	7,41	10	0,7	1,8	14	300
1146692	3x4/4	4,61	4,61	11	0,7	1,8	15	380
1146693	3x6/6	3,08	3,08	12	0,7	1,8	16	470
1146694	3x10/10	1,83	1,83	16	0,7	1,8	20	720
1146695	3x16/16	1,15	1,15	18	0,7	1,8	23	990
1146696	3x25/16	0,727	1,15	23	0,9	1,8	27	1400
1256647	3x35/16	0,524	1,15	20	0,9	1,8	25	1400
1256648	3x50/25	0,387	0,727	24	1,0	1,8	28	1900
1256649	3x70/35	0,268	0,524	27	1,1	2,0	31	2600
1256650	3x95/50	0,193	0,387	30	1,1	2,1	35	3500
1256651	3x120/70	0,153	0,268	33	1,2	2,3	39	4370
1256652	3x150/70	0,124	0,268	36	1,4	2,4	42	5220
1256653	3x185/95	0,0991	0,193	41	1,6	2,5	47	6680
1256654	3x240/120	0,0754	0,153	47	1,7	2,7	53	8670
1146710	4x1,5/1,5	12,1	12,1	10	0,7	1,8	14	250
1146711	4x2,5/2,5	7,41	7,41	11	0,7	1,8	15	320
1146712	4x4/4	4,61	4,61	12	0,7	1,8	16	400
1146713	4x6/6	3,08	3,08	14	0,7	1,8	18	560
1146714	4x10/10	1,83	1,83	17	0,7	1,8	22	850
1146715	4x16/16	1,15	1,15	20	0,7	1,8	24	1170
1146716	4x25/16	0,727	1,15	25	0,7	1,8	30	1700
1256664	4x35/16	0,524	1,15	22	0,9	1,8	27	1750
1256665	4x50/25	0,387	0,727	25	1,0	1,9	29	2400
1256666	4x70/35	0,268	0,524	29	1,1	2,1	34	3280
1256667	4x95/50	0,193	0,387	33	1,1	2,2	38	4430
1256668	4x120/70	0,153	0,268	36	1,2	2,4	42	5590
1256669	4x150/70	0,124	0,268	40	1,4	2,5	45	6730
1256670	4x185/95	0,0991	0,193	47	1,6	2,7	53	8550
1256671	4x240/120	0,0754	0,153	52	1,7	2,9	59	11170