ttcables
ELECTRIC CABLE WORKS



XCMK-HF, FXQJ, EXQJ, IFSI

Power cable 0,6/1 kV, with Cu conductors, XLPE insulated and HFFR sheathed, with concentric conductor.

APPLICATION

Cu power cable designed for permanent installation both indoors and outdoors. Suitable for direct burial in the ground. The conductor insulation must be protected against ultraviolet (UV) exposure. All installation work must comply with applicable national standards and regulations. This cable is halogen-free and exhibits flame-retardant properties, classified under CPR as Dca-s1,d1,a1.

CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:
Single-core: Green/Yellow OR Black
2-core: Brown Blue
3-core (a): Green/Yellow Brown Blue
3-core (b): Black Brown Grey
4-core (a): Green/Yellow Brown Black Grey
4-core (b): Blue Brown Black Grey
5-core: Green/Yellow Blue Brown Black Grey

Outer Sheath Colour:
Black
Other colours available on request

TECHNICAL CHARACTERISTICS

CPR class: Dca-s1,d1,a1.
Test voltage: 4 Kv
Rated voltage: 0,6/1 kV
Bending radius (min): up to 6 mm²- 6D single-core- 15D; multicore- 12D
Min. laying temperature: -15°C
Min. operating temperature: -40°C
Max. conductor temperature: 90°C
Max. short-circuit temperature: 250°C

STANDARD

SFS 5546, HD 604 S1, SS 424 14 18

CONSTRUCTION

Conductors: Cu, class1 or 2 according to EN 60228
Insulation: XLPE compound
Bedding: Extruded elastomere or plastomere compound or plastic tape
Concentric conductor: Cu wires with counter helix of Cu tape
Sheath: HFFR compound

CERTIFICATION

CE RoHS compliant
IEC International Electrotechnical Commission
CPR
REACH COMPLIANT

Knešpolje b.b. 88220 Široki Brijeg +387 39 70 21 10 info@ttcables.com

TWO-CORE CABLES

NOMINAL CROSS-SECTION	CONDUCTOR SHAPE	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN GROUND	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)	PACKING
mm²		**Ω/km**	**A**	**A**	**mm**	**kg/km**	**kg/km**	**500m**
2x1,5/1,5	RE	12,1	18,5	26	9,4	43,2	138,87	K6
2x2,5/2,5	RE	7,410	25	35	10,2	72	184,76	K6
2x4/4	RE	4,610	-	-	11,3	115,2	251,02	K7
2x6/6	RE	3,080	43	57	12,5	172,8	334,42	K7
2x10/10	RM/RE	1,830	60	77	14,4	288	495,33	K8
2X10/16	RM/RE	1,830	60	77	15,9	345,6	552,6	K8
2x16/16	RM/RE	1,150	80	100	16,7	460,8	726,34	K8
2x25/16	RM/RE	0,727	102	130	20,0	633,6	1013	K9
2x35/16	RM	0,524	126	160	22,5	825,6	1297,3	K10
2x6/2,5	RE	3,080	43	57	12,4	139,2	300	K7
2x10/2,5	RM/RE	1,830	60	77	14,1	216	420,6	K7
2x16/2,5	RM/RE	1,150	80	100	16,0	331,2	590,9	K8
2x25/2,5	RM/RE	0,727	102	130	19,2	504	875,9	K9

THREE-CORE CABLES

NOMINAL CROSS-SECTION	CONDUCTOR SHAPE	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN GROUND	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)	PACKING
mm²		**Ω/km**	**A**	**A**	**mm**	**kg/km**	**kg/km**	**500m**
3x1,5/1,5	RE	12,1	18,5	26	9,9	57,6	157,8	K6
3x2,5/2,5	RE	7,410	25	35	10,8	96	213,5	K6
3x4/4	RE	4,610	-	-	11,9	153,6	294,3	K7
3x6/6	RE	3,080	43	57	13,2	230,4	396,9	K7
3x10/10	RM/RE	1,830	60	77	15,3	384	595,7	K8
3x16/16	RM/RE	1,150	80	100	17,7	614,4	883,2	K9
3x25/16	RM	0,727	102	130	21,1	873,6	1254,9	K10
3x35/16	RM	0,524	126	160	23,7	1161,6	1629,5	K11
3x50/25	SM	0,387	153	190	26,4	1680	1969,9	K11
3x70/35	SM	0,268	195	240	30,3	2352	2714,1	K12
3x95/50	SM	0,193	236	285	34,3	3216	3649,4	K14
3x120/70	SM	0,153	274	325	38,4	4128	4648,7	K16
3x150/70	SM	0,124	317	370	42,5	4992	5624,4	K18
3x185/95	SM	0,0991	361	420	47,3	6240	7008,2	K20
3x240/120	SM	0,0754	427	480	53,2	8064	8994,7	K22
3x300/150	SM	0,0601	492	550	58,6	10080	11174,6	K24

FOUR-CORE CABLES

NOMINAL CROSS-SECTION	CONDUCTOR SHAPE	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN GROUND	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)	PACKING
mm²		**Ω/km**	**A**	**A**	**mm**	**kg/km**	**kg/km**	**500m**
4x1,5/1,5	RE	12,1	18,5	26	10,7	72	182,7	K6
4x2,5/2,5	RE	7,410	25	35	11,7	120	249,8	K7
4x4/4	RE	4,610	-	-	13,0	192	347,2	K7
4x6/6	RE	3,080	43	57	14,4	288	471,3	K8
4x10/10	RM/RE	1,830	60	77	16,7	480	712,3	K8
4x10/16	RM/RE	1,830	60	77	18,0	537,6	770	K9
4x16/16	RM/RE	1,150	80	100	19,3	768	1061,8	K9
4x25/16	RM	0,727	102	130	23,2	1113,6	1530,5	K10
4x35/16	SM	0,524	126	160	26,0	1497,6	2007,2	K11
4x50/25	SM	0,387	153	190	29,2	2160	2511,2	K12
4x70/35	SM	0,268	195	240	34,2	3024	3474	K14
4x95/50	SM	0,193	236	285	38,0	4128	4655,7	K16
4x120/70	SM	0,153	274	325	42,5	5280	5915,8	K18
4x150/70	SM	0,124	317	370	47,1	6432	7208,2	K20
4x185/95	SM	0,0991	361	420	52,5	8016	8962,2	K22
4x240/120	SM	0,0754	427	480	59,0	10368	11516,9	K24
4x300/150	SM	0,0601	492	550	65,0	12960	14313,2	K24

NOMINAL CROSS-SECTION	CONDUCTOR SHAPE	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN GROUND	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)	PACKING
mm²		**Ω/km**	**A**	**A**	**mm**	**kg/km**	**kg/km**	**500m**
6x10/16	RM/RE	1,830	60	77	20,9	729,6	946	K10