



FXQJ-EMC 0,6/1KV



-20°C min



90°C max



Flame-retardant



Halogen-free



LSHF

FXQJ 0.6/1 kV is a halogen-free, flame-retardant power cable with optional EMC shielding, providing excellent protection against electromagnetic interference. It is designed for fixed open installation both indoors and outdoors and is suitable for laying in soil, air, water, and conduits.

The cable is available with 3 or 4 sector-shaped copper conductors ranging from 10 mm² to 300 mm², ensuring high current-carrying capacity and efficient space utilization. The screen, made of annealed copper wires in a counter-spiral formation, delivers robust shielding and enhanced operational reliability.

FXQJ EMC 0.6/1 kV is an ideal solution for professional installations where safety, fire performance, and EMC properties are critical.

APPLICATION

FXQJ EMC is a halogen-free and flame-retardant 0.6/1 kV cable intended for open fixed installation indoors and outdoors, in ground, air, and water, as well as in conduits.

The conductors are made of annealed copper: round conductors in sizes 10–35 mm² and sector-shaped conductors from 50–240 mm². The cable is screened with annealed copper wires and a fully covering copper tape. Available without EMC.

STANDARDS

Construction

HD 603 part 5-AB
SS 424 14 18

Marking

SS 424 17 20

Conductor

IEC 60228 Class 2

APPROVAL



PROPERTIES

CPR class

Dca-s2,d2,a2

Max temperature

90 °C

Min. temperature

-20 °C

AC Voltage rating U₀/U (U_m)

0,6/1,0 (1,2)kV

AC Voltage rating U₀/U

0,6/1kV



Name	AC voltage rating	Construction	CPR class	Cross section [mm²]	Insulation thickness [mm]	Number of cores [pcs]	Outer diameter [mm]	Outer sheath thickness [mm]	Total weight [kg/km]
FXQJ-EMC 3x35/16 R	0,6/1,0 (1,2)kV	Round, class 2	Dca		0.9	3	22.7	1.8	1590
FXQJ-EMC 3x16/16 R	0,6/1,0 (1,2)kV	Round, class 2	Dca	16	0.7	3	19.3	1.8	900
FXQJ-EMC 4x16/16 R	0,6/1,0 (1,2)kV	Round, class 2	Dca	16	0.7	4	21.9	1.8	1070
FXQJ-EMC 3x25/16 R	0,6/1,0 (1,2)kV	Round, class 2	Dca	25	0.9	3	20.9	1.8	1260
FXQJ-EMC 4x25/16 R	0,6/1,0 (1,2)kV	Round, class 2	Dca	25	0.9	4	23.2	1.8	1530
FXQJ-EMC 4x35/16 R	0,6/1,0 (1,2)kV	Round, class 2	Dca	35	0.9	4	25.5	1.8	1940
FXQJ-EMC 3x50/25 S	0,6/1,0 (1,2)kV	Sector, class 2	Dca	50	1	3	26.4	1.9	1860
FXQJ-EMC 4x50/25 S	0,6/1,0 (1,2)kV	Sector, class 2	Dca	50	1	4	28.7	1.9	2360
FXQJ-EMC 3x70/35 S	0,6/1,0 (1,2)kV	Sector, class 2	Dca	70	1.1	3	28.2	2	2610
FXQJ-EMC 4x70/35 S	0,6/1,0 (1,2)kV	Sector, class 2	Dca	70	1.1	4	32.3	2	3310
FXQJ-EMC 3x95/50 S	0,6/1,0 (1,2)kV	Sector, class 2	Dca	95	1.1	3	30.1	2.2	3520
FXQJ-EMC 4x95/50 S	0,6/1,0 (1,2)kV	Sector, class 2	Dca	95	1.1	4	34.1	2.2	4467
FXQJ-EMC 3x120/70 S	0,6/1,0 (1,2)kV	Sector, class 2	Dca	120	1.2	3	33.5	2.3	4480
FXQJ-EMC 4x120/70 S	0,6/1,0 (1,2)kV	Sector, class 2	Dca	120	1.2	4	40.1	2.3	5690
FXQJ-EMC 3x150/70 S	0,6/1,0 (1,2)kV	Sector, class 2	Dca	150	1.4	3	40.5	2.4	5380
FXQJ-EMC 4x150/70 S	0,6/1,0 (1,2)kV	Sector, class 2	Dca	150	1.4	4	41.8	2.4	6850
FXQJ-EMC 3x185/95 S	0,6/1,0 (1,2)kV	Sector, class 2	Dca	185	1.6	3	45	2.6	6800
FXQJ-EMC 4x185/95 S	0,6/1,0 (1,2)kV	Sector, class 2	Dca	185	1.6	4	49.9	2.6	8650
FXQJ-EMC 3x240/120 S	0,6/1,0 (1,2)kV	Sector, class 2	Dca	240	1.7	3	51.1	2.8	8640

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FXQJ-EMC 4x240/120 S	0,6/1,0 (1,2)kV	Sector, class 2	Dca	240	1.7	4	55.1	2.8	11000

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