



IFSI-EMC AI, AXQJ-EMC

Power cable 0,6/1 kV, with Al conductors, XLPE insulated and sheathed with halogen-free compound, with concentric conductor

APPLICATION

EMC shielded power cable with aluminium conductors. Halogen free, flame retardant and self-extinguishing in the event of fire. Smoke in the event of fire is minimal, transparent and not harmful to electronic equipment. For fixed installation, indoors, outdoors, in pipes, ground or water. Suitable for switchgear and potentially explosive areas. Can be plowed down when care is taken. The copper screen has 100% coverage and meets EMC Directive with appropriate installation.

CONSTRUCTION

Conductors: Al, class 2 according to EN 60228
Insulation: XLPE compound
Bedding: Halogen-free plastic tape
Concentric conductor: Cu foil tape and Cu wires with counter helix of Cu tape
Sheath: Halogen-free compound, black

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:

● Grey

Other colours available on request

TECHNICAL CHARACTERISTICS

CPR class: Dca- s1, d2, a1

Test voltage: 2000 V

Rated voltage: 0,6/1 kV

Bending radius (min): multicore -12D

Min. temp. for cable laying: -20°C (during installation below 0°C special precaution is needed)

Max. conductor temperature: 90°C

Max. short-circuit temperature: 250°C

STANDARD

HD 604 S1, IEC 60502-1

CERTIFICATION



International
Electrotechnical
Commission



NOMINAL CROSS-SECTION)	CONDUCTOR SHAPE	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²		Ω/km	A	mm	kg/km	kg/km
3x50/16	SM	0,641/1,830	152	25,6	435,0	818
3x95/35	SM	0,320/0,524	239	32,7	826,5	1524
3x150/50	SM	0,206/0,387	316	39,4	1305,0	2246
3x240/70	SM	0,125/0,268	430	49,3	2088,0	3465
4x50/16	SM	0,641/1,830	152	28,5	580	989
4x95/35	SM	0,320/0,524	239	36,6	1102	1841
4x150/50	SM	0,206/0,387	316	44,2	1740	2729
4x240/70	SM	0,125/0,268	430	55,3	2784	4234

