

MCMO

Power cable 450/750 V with Cu conductors, insulated and sheathed with PVC

APPLICATION

Cable for the control, measuring and signal circuits of electrical equipment for fixed surface and flush-mounted installations, indoors and outdoors. Not suitable for installation directly in ground nor direct-ly in concrete without protective ducting. Not for installations subject to electrical interference. Concentric conductor can be used as neutral, protective or earth connection, and if there is a danger of damages, it acts as protection against contact voltage in case of rough insulation damage.

CONSTRUCTION

Conductors: Annealed Cu, class 1 according to EN 60228

Insulation: PVC compound, type T11

Bedding: Extruded elastomere or plastomere compound or plastic tape

Concentric conductor: Cu wires with counter helix of Cu tape

Sheath: PVC compound, type TM 1, UV resistant

CORE IDENTIFICATION

According to EN 50334

Identification by white numbers on black insulation, with axial arrangement.

Outer Sheath Colour:

- Black

Other colours available on request

TECHNICAL CHARACTERISTICS

CPR class: Eca

Test voltage: 2,5 kV

Rated voltage: 450/750 V

Min. bending radius: multicore- 12D, D- overall diameter

Max. short-circuit temperature: 160°C

Max. conductor operating temp: + 70°C

Installation temp. range: -15°C do + 40°C

Working temperature range: -35°C do + 70°C

Flame retardant: acc. to IEC 60332-1-2

Warranty: 24 months

Service time: 40 years

STANDARD

SFS 3713; HD 627 S1, p.4D-2

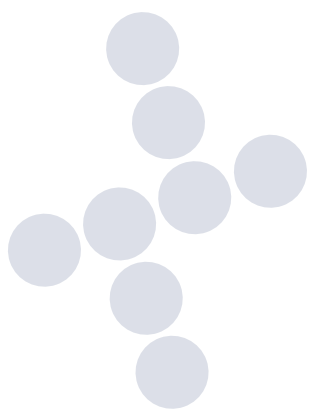
CERTIFICATION



International
Electrotechnical
Commission



NOMINAL CROSS-SECTION	CONDUCTOR SHAPE	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²		Ω/km	A	A	mm	kg/km	kg/km
5×1,5/1,5	RE	12,1	21	27	13,0	85	224
5×2,5/2,5	RE	7,41	27	36	16,1	134	320
7×1,5/1,5	RE	12,1	21	27	13,9	110	270
7×1,5/1,5	RE	12,1	21	27	13,9	110	270
7×2,5/2,5	RE	7,41	27	36	16,2	175	380
7×4/4	RE	4,61	36	47	19,6	280	557
10×1,5/1,5	RE	12,1	21	27	17,1	150	370
10×2,5/2,5	RE	7,41	27	36	19,3	242	516
12×1,5/1,5	RE	12,1	21	27	17,5	175	413
12×2,5/2,5	RE	7,41	21	27	19,9	283	583
14×1,5/1,5	RE	12,1	21	27	17,7	205	463
14×2,5/2,5	RE	7,41	27	36	21,8	327	662
19×1,5/1,5	RE	12,1	21	27	19,8	265	577
19×1,5/1,5	RE	12,1	21	27	19,8	265	577
19×2,5/2,5	RE	7,41	27	36	23,9	435	851
27×1,5/1,5	RE	12,1	21	27	23,2	370	781
27×2,5/2,5	RE	7,41	27	36	27,9	605	1157
30×1,5/1,5	RE	12,1	21	27	23,8	410	875
30×2,5/2,5	RE	7,41	27	36	29,0	670	1275



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