ttcables
ELECTRIC CABLE WORKS

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 directly 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.

TECHNICAL CHARACTERISTICS

CPR class: Eca
Test voltage: 2,5 kV
Rated voltage: 450/750 V
Min. bending radius: multicore- 12D
Max. short-circuit temperature: 160°C
Installation temp. range: -5°C do + 40°C
Working temperature range: -30°C do + 70°C
Fire resistance: acc. to IEC 60332-1
Warranty: 24 months
Service time: 40 years

CONSTRUCTION

Conductors: Annealed Cu, class 1 according to EN 60228
Insulation: PVC compound, type TI1
Bedding: Extruded elastomere or plastomere compound or plactic tape
Concentric conductor: Cu wires with counter helix of Cu tape
Sheath: PVC compound, type TM 1

STANDARD

HD 627 S1, p.4D-2

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

CERTIFICATION

CE
RoHS compliant
IEC International Electrotechnical Commission
REACH COMPLIANT
CPR COMPLIANT Construction Products Regulation EN 50575

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.)
mm²		Ω/km	A	A	mm	kg/km	kg/km
7x1,5/1,5	RE	12,1	24	31	13,3	115,2	258,0
12x1,5/1,5	RE	12,1	24	31	16,8	187,2	398,0
19x1,5/1,5	RE	12,1	24	31	19,5	288,0	584,0
27x1,5/1,5	RE	12,1	24	31	23,2	403,2	804,0
37x1,5/1,5	RE	12,1	24	31	25,9	547,2	1065,0
7x2,5/2,5	RE	7,41	32	40	14,5	192,0	355,0
12x2,5/2,5	RE	7,41	32	40	18,6	312,0	561,0
19x2,5/2,5	RE	7,41	32	40	21,7	480,0	831,0
27x2,5/2,5	RE	7,41	32	40	25,8	672,0	1146,0
37x2,5/2,5	RE	7,41	32	40	28,9	912,0	1524,0