



# 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.

## CONSTRUCTION

Conductors: Annealed Cu, class 1 according to EN 60228

Insulation: PVC compound, type TI1

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

## 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

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

## STANDARD

HD 627 S1, p.4D-2

## CERTIFICATION



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 <sup>2</sup>		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