TYPE: MCMO 450/750 kV

PVC insulated and PVC sheathed control cable with a protecting concentric copper conductor

NORM:

HD 627-4D*

CONSTRUCTION:

Conductors:	plain annealed copper circular solid class 1 acc. to EN 60228
Insulation:	black lead free PVC compound type TI1
Core identification:	numbering
Inner covering:	filling compound
Concentric conductor:	layer of round copper wires with a copper tape
Separator:	polyester tape
Sheath:	black lead free PVC compound type TM1

Maximum conductor operating temperature: +70°C

Lowest installation temperature (flexing): -15°C

Lowest ambient temperature for fixed installation: -30°C

Maximum short-circuit conductor temperature: + 160°C

Max. permissible tensile stress with cable grip for Cu-conductor: 50 N/mm^2, calculated for the nominal sum of cross-sections of the inner conductors; the cross-section of the concentric conductors not be considered.

Flame propagation: EN 60332-1-2

Minimum bending radius: 12 x D for multicore cables, D – overall cable diameter

The product is conformed with the RoHS Direktive 2002/95/CE, Low-Voltage Direktive 73/23/EEC and 93/68/ECC

Application: PVC insulated and sheathed control cables with a protecting concentric conductor for fixed installations in measuring, control and signalling circuits.

Standard length cable packing: 500 m on drums. Other forms of packing and delivery are available on request.

Number and cross-sectional area of conductor / concentric conductor	Nominal thickness of insulation	Minimum thickness of sheath	Approximate overall diameter	Approximate net weight of cables	Maximum resistance of concentric conductor at 20°C
n x mm^2	mm	mm	mm	kg/km	Ω/km
7 x 1,5 / 6	0,7	1,5	14,5	348	3,08
12 x 1,5 / 6	0,7	1,5	18,3	517	3,08
19 x 1,5 / 6	0,7	1,6	21,0	706	3,08
27 x 1,5 / 6	0,7	1,7	24,6	939	3,08
37 x 1,5 / 10	0,7	1,8	27,5	1236	1,83
7 x 2,5 / 6	0,8	1,5	16,0	447	3,08
12 x 2,5 / 6	0,8	1,6	20,1	669	3,08
19 x 2,5 / 6	0,8	1,7	23,1	932	3,08
27 x 2,5 / 10	0,8	1,8	27,3	1292	1,83
37 x 2,5 / 10	0,8	1,9	30,4	1657	1,83

* We can also produce cable MCMO with protecting concentric copper conductor 1,5 mm^2 and 2,5 mm^2