

## Power Control cables and electronics cables

# MCMO 450/750 V



### Application

MCMO 450/750 V

### Flame retardance

EN 60332-1

IEC 60332-1 - Fire propagation class

### Construction

Cable Shape	Round
UNSPSC classification	26121629
Conductors	Solid annealed copper wire
Conductor Insulation	Lead-free PVC compound
Filler	Lead-free filling compound
Marking of cores	Colours of inner cores: 7-37 -cores Numbering
Shield / Screen	Copper wire layer and copper wires/tape binding (minimum cross-section area is 6 mm <sup>2</sup> )
Shield / Screen Material	Copper
Shield / Screen Type	Copper wire layer and copper wires/tape binding (minimum cross-section area is 6 mm <sup>2</sup> )
Armouring	-
Material of Armouring	-
Outer Sheath	Black lead-free PVC compound
Overall sheath	Black lead-free PVC compound
Example of marking on sheath	DRAKA 18 "type" "voltage" FI >PVC< meter marking

### Temperature

Maximum operating Temperature +70°C

### Features

Fire Propagation	IEC / EN 60332-1-2
UV resistance	Good
Min. Bending radius at final installation	8 xD
Bending radius	10 xD
Min. Bending radius at during installation	10 xD
Max Pulling force - pulling grip [N/mm <sup>2</sup> ]	-
Max Pulling force - pulling eye [N/mm <sup>2</sup> ]	50 N/mm <sup>2</sup> xA
REACH/SVHC declaration	The cable does not contain any substances on the REACH/SVHC list
RoHS declaration	All substances of the cable meet the requirements of RoHS directive

### Electrical

Max. short circuit temperature [°C] +160°C

Conductors and screen area [mm <sup>2</sup> ]	Standard delivery length [m]	Delivery Package	EAN/GTIN number	SAP Number
MCMO 7X1,5	500	K8	6410006019014	20075057
MCMO 7X2,5	500	K8	6410006019212	20075047
MCMO 12X1,5	400	K8	6410006019021	20076620
MCMO 12X2,5	500	K11	6410006019229	20076622

Conductors and screen area [mm <sup>2</sup> ]	Standard delivery length [m]	Delivery Package	EAN/GTIN number	SAP Number
MCMO 19X1,5	500	K11	6410006019038	20076624
MCMO 19X2,5	500	K11	6410006019236	20076626
MCMO 27X1,5	500	K11	6410006019045	20088007
MCMO 27X2,5	500	K12	6410006019243	20088006
MCMO 37X1,5	400	K11	6410006019052	20076627

Conductors and screen area [mm <sup>2</sup> ]	Diameter over sheath [mm]	Cable weight [kg/km]	Min. Bending radius at final installation [mm]	Min. Bending radius during installation [mm]	Resistance [Ω/km]
7X1,5	14	310	115	140	12,1
7X2,5	17	450	140	170	7,41
12X1,5	18	480	145	180	12,1
12X2,5	21	670	170	210	7,41
19X1,5	21	650	170	210	12,1
19X2,5	24	930	195	240	7,41
27X1,5	24	860	195	240	12,1
27X2,5	28	1300	225	280	7,41
37X1,5	27	1200	220	270	12,1