

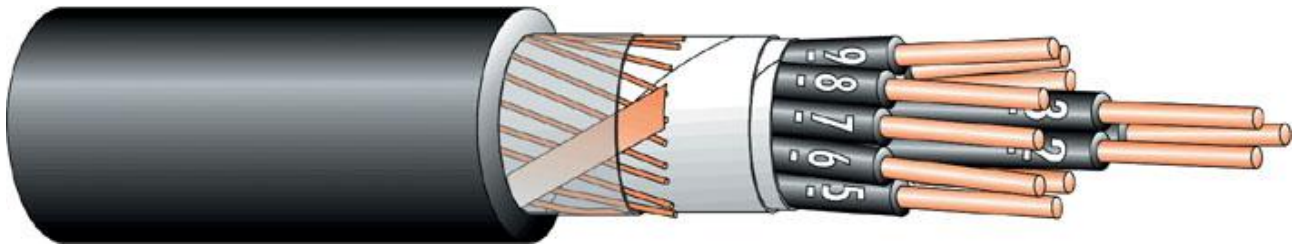
## Halogen free control cable

### CONSTRUCTION HD 627 S1:1996/A2:2005 Part 7 Section D-2 Applicable parts

Conductor:	Circular solid copper, IEC 60228 class 1
Insulation:	Halogen free XLPE
Identification:	Black cores with white numbers
Cabling:	Cores are twisted together (concentric layers)
Inner covering:	Extruded halogen free filling compound
Concentric conductor:	Copper wires and copper binding tape
Sheath:	Extruded halogen free and UV-resistant compound. Colour black

### MECHANICAL DETAILS

Minimum bending radii:	During handling and installation	12 x D
	In final installation: (D = overall diameter)	8 x D
Maximum pulling force:	Pulling by the conductor	A x 50 N/mm <sup>2</sup>
	Pulling by pulling-stocking on the outer sheath A= total area of conductors	A x 20 N/mm <sup>2</sup>
Temperature limits:	Max. conductor temperature	90 °C
	Max. short circuit temperature (duration not exceeding 5 sec.)	250 °C
	Min. temperature during handling and installation	-15 °C
	Min. temperature during transport	-40 °C
Applications:	For fixed installation indoors and outdoors and in soil. The cables are intended for control and signalling functions in power electric application. Where needed halogen free, non corrosive gases and low smoke density cables. Self extinguishing, no after-burning.	



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### FIRE PERFORMANCE (CPR)

EN 50575

Dca-s2,d2,a2

### ADDITIONAL INFORMATION

IEC/EN 60332-3-23

Self extinguishing and flame retardant even, when the cables are installed in bunches

IEC/EN 60754-2

Halogen free, non corrosive

IEC/EN 61034-2

Low smoke density

REKA	Size	Conductor resistance DC +20 °C	Concentric conductor resistance DC +20 °C	Overall diameter approx.	Weight approx.
Code	mm <sup>2</sup>	Ω/km	Ω/km	mm	kg/km
1148007	7x1,5	12,1	3,08	15,0	320
1148012	12x1,5	12,1	3,08	19,0	470
1148019	19x1,5	12,1	3,08	22,0	630
1148027	27x1,5	12,1	3,08	25,0	830
1702100	7x2,5	7,41	3,08	17,0	420
1702102	12x2,5	7,41	3,08	21,0	620
1148047	19x2,5	7,41	3,08	25,0	880
1148067	27x2,5	7,41	3,08	28,0	1200