

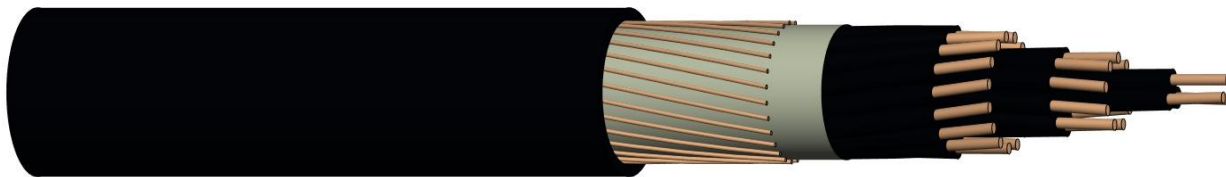
Underground control cable

CONSTRUCTION HD 627 S1:1996/A2:2005 Part 4 D-2; SFS 3713

| | |
|-----------------------|--|
| Conductor: | Circular solid copper, IEC 60228 class 1 |
| Insulation: | PVC-compound |
| Core identification: | Black cores with white numbers |
| Cabling: | Cores are twisted together |
| Inner covering: | Plastic tapes |
| Concentric conductor: | Copper wires and copper tape |
| Outer covering: | Plastic tape |
| Outer sheath: | PVC-compound |

MECHANICAL DETAILS

| | | |
|------------------------|--|--------------------------|
| Minimum bending radii: | During handling and installation | 10 x D |
| | In case of only one smooth bending to final position D = overall diameter | 8 x D |
| Maximum pulling force: | Pulling by the conductor A = total area of conductors | A x 50 N/mm ² |
| Temperature limits: | Maximum conductor temperature | 70 °C |
| | Maximum conductor temperature during short circuit (duration not exceeding 5 sec.) | 160 °C |
| | Minimum temperature during handling and installation | -15 °C |
| | Min. temperature during transport | -40 °C |
| Applications: | Cable may be laid indoor, outdoor, fixed installations on wall and on metallic structures. Direct burial in soil is allowed, as long as the relevant national rules of installations are followed. | |



Underground control cable

FIRE PERFORMANCE (CPR)

EN 50575

Eca

ADDITIONAL INFORMATION

EN/IEC 60332-1-2

Self extinguishing and flame retardant as a single cable

| Reka code | Size | Conductor resistance DC 20 °C | Concentric conductor resistance DC 20 °C | Sheath thickness nominal | Overall diameter | Weight |
|-----------|--------------------|----------------------------------|--|--------------------------------|---------------------|----------------------|
| | [mm ²] | [Ω/km] | [Ω/km] | [mm] | Approx. [mm] | Approx. [kg / km] |
| 1108207 | 7 x 1,5 | 12,1 | 3,08 | 1,5 | 13,5 | 290 |
| 1108212 | 12 x 1,5 | 12,1 | 3,08 | 1,5 | 16,5 | 410 |
| 1108219 | 19 x 1,5 | 12,1 | 3,08 | 1,6 | 19,5 | 570 |
| 1108227 | 27 x 1,5 | 12,1 | 3,08 | 1,8 | 23,0 | 760 |
| 1108237 | 37 x 1,5 | 12,1 | 1,83 | 1,8 | 26,0 | 1020 |
| 1108248 | 48 x 1,5 | 12,1 | 1,83 | 1,9 | 29,5 | 1350 |
| | | | | | | |
| 1108257 | 7 x 2,5 | 7,41 | 3,08 | 1,5 | 15,5 | 380 |
| 1108262 | 12 x 2,5 | 7,41 | 3,08 | 1,6 | 20,0 | 570 |
| 1108269 | 19 x 2,5 | 7,41 | 3,08 | 1,7 | 23,0 | 810 |
| 1108277 | 27 x 2,5 | 7,41 | 1,83 | 1,8 | 27,0 | 1150 |
| 1108287 | 37 x 2,5 | 7,41 | 1,83 | 1,9 | 31,0 | 1500 |
| - | 48 x 2,5 | 7,41 | 1,83 | 2,0 | 35,0 | 1970 |