

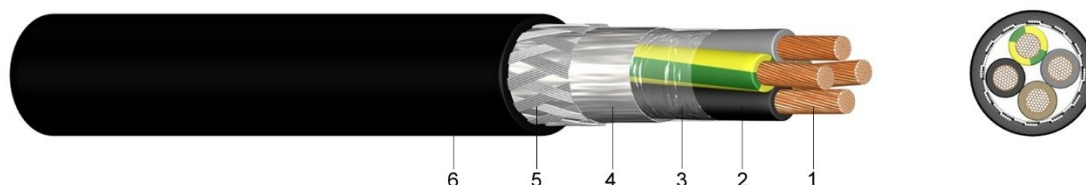
## 2XSL(ST)CH-J Cca

Motor control and power supply cable, 0,6/1 kV  
+90 °C service temperature, optimised screen, zero halogen, fire retardant, oil, UV and ozone resistant  
adapted to VDE 250 and IEC 60092-353 and EN 50575

### Application

Flexible zero halogen motor power supply cable with improved fire characteristics for frequency converter controlled AC drives in industries or wind turbines. This cable type, that incorporate a special screen and have a symmetrical distribution of the protective conductor (3x... + 3G...), are adequate for facilities where is necessary avoid the interferences of electromagnetic waves of high frequency of nearby circuits, as variation engines of speed. Zero halogen cables are suitable for installation in environments where smoke and toxic fumes may threaten life or valuable equipment. For fixed installation and occasional free flexing indoors in dry, damp and wet conditions, as well as outdoors for low mechanical stress. Underground installation is allowed provided that the cable is installed in a sufficiently drained tube (no water accumulation).

### Construction



1. Conductor: Copper conductor, bare, flexible (class 5)
2. Insulation: XLPE  
Core identification: according to HD 308 S2
3. Separator: Plastic tape  
Multilayer screen, EMC optimised regarding to radio frequency interference field
4. Screen 1<sup>st</sup> layer: Laminated Alu/PETP tape
5. Screen 2<sup>nd</sup> layer: Copper wire braid, tinned
6. Outer sheath: Zero halogen compound, black

### Technical information

|   |                    |  |
|---|--------------------|--|
| Rated voltage                                   | U <sub>0</sub> /U  | 0,6/1 kV                               |
| Test voltage                                    |                    | 4 kV                                   |
| Max. permissible temperature at conductor       |                    | 90 °C                                  |
| Max. short circuit temperature of the conductor |                    | 250 °C (max, 5 sec)                    |
| Min. operating temperature                      | fixed installation | -40 °C                                 |
|   | occasional flexing | -5 °C                                  |
| Min. bending radius mm                          | fixed installation | 12 x outer diameter in mm              |
|   | occasional flexing | 20 x outer diameter in mm              |
| Safety parameters                               |                    |  |
| Reaction to fire                                |                    | EN 50399 C <sub>ca</sub> - s1b, d1, a1 |

#### Additional parameters

UV resistant  
Ozone resistant

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| N° of cores and cross section<br>mm <sup>2</sup> | Outer diameter<br>approx. mm | Weight<br>approx. kg/km | Current rating<br>open air<br>A |
|--|------------------------------|-------------------------|---------------------------------|
| 4 G 1,5  | 10,6                         | 230                     | 23                              |
| 4 G 2,5  | 11,7                         | 300                     | 32                              |
| 4 G 4  | 13,1                         | 485                     | 42                              |
| 4 G 6  | 14,4                         | 630                     | 54                              |
| 4 G 10   | 17,0                         | 860                     | 75                              |
| 4 G 16   | 22,6                         | 1138                    |                                 |
| 4 G 25   | 26,9                         | 1843                    |                                 |
| 4 G 35   | 30,2                         | 2610                    |                                 |
| 4 G 50   | 35,5                         | 2933                    |                                 |
| 4 G 70   | 40,1                         | 3940                    |                                 |
| 4 G 95   | 44,8                         | 5270                    |                                 |
| 4 G 120  | 49,8                         | 6558                    |                                 |
| 4 G 150  | 55,5                         | 7078                    |                                 |
| 4 G 185  | 62,6                         | 8408                    |                                 |
| 4 G 240  | 66,6                         | 11113                   |                                 |
| 3 x 16 + 3 G 2,5                                 | 17,7                         | 846                     | 100                             |
| 3 x 25 + 3 G 6                                   | 22,5                         | 1395                    | 127                             |
| 3 x 35 + 3 G 6                                   | 24,5                         | 1840                    | 157                             |
| 3 x 50 + 3 G 10                                  | 28,4                         | 2718                    | 192                             |
| 3 x 70 + 3 G 10                                  | 32,7                         | 3470                    | 246                             |
| 3 x 95 + 3 G 16                                  | 36,3                         | 4540                    | 298                             |
| 3 x 120 + 3 G 16                                 | 40,8                         | 5865                    | 346                             |
| 3 x 150 + 3 G 25                                 | 44,6                         | 6490                    | 399                             |
| 3 x 185 + 3 G 35                                 | 50,6                         | 8595                    | 456                             |
| 3 x 240 + 3 G 50                                 | 56,6                         | 11720                   | 538                             |

La version française de cette fiche technique est disponible sur demande,  
De technische gegevens zijn op aanvraag in het Nederlanads beschikbaar,