

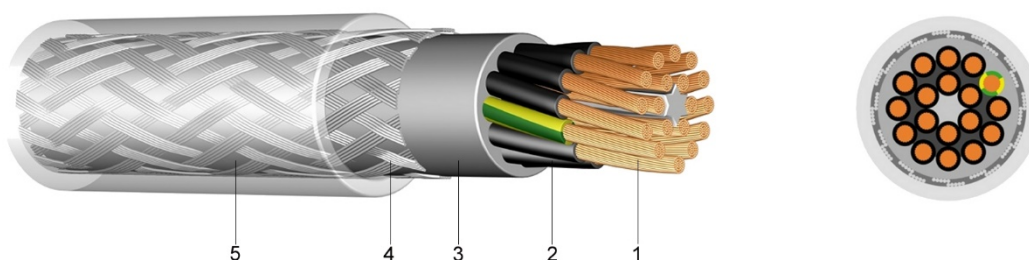
YSLYQY / LiYY-SY E_{ca}

Measurement and control cable, 300/500 V
+70 °C service temperature, steel wire armored, largely oil resistant
EN 50575 and adapted to EN 50525-2-51

Application

Steel wire-reinforced, universal measurement and control cable in tool machinery, plant installation, power stations and in data equipment. For fixed laying and flexible applications without tensile stress and without defined cable routing. The cable is largely resistant to acids, bases and specified types of oil. The braided screen offers best possible protection against mechanical damage. The clear transparent outer sheath gives the cable in addition an optical revaluation. Suitable for use in humid and wet rooms. Outdoor use only with UV-protection, no laying underground.

Construction



- | | | |
|----------------------|--|--|
| 1. Conductor: | Copper conductor, flexible (class 5) | |
| 2. Insulation: | PVC | |
| Core identification: | Numbered cores JZ: with green/yellow core Coloured cores JB: with green/yellow core | OZ: without green/yellow core OB: without green/yellow core |
| 3. Inner sheath: | PVC | |
| 4. Armoring: | Galvanized steel wire braid | |
| 5. Outer sheath: | PVC, transparent | |

Technical information

| | | |
|--------------------------|-------------------|--------------------------|
| Nominal voltage | U ₀ /U | 300/500 V |
| Test voltage | | 4000 V |
| Installation temperature | | -15 °C to 70 °C |
| Operating temperature | | -30 °C to 70 °C |
| Min. bending radius mm | fixed | 6 x D |
| D = outer diameter in mm | moved | 20 x D |
| Reaction to fire | | EN 50399 E _{ca} |
| Flame propagation | single cable | IEC 60332-1 |

Additional parameters

Largely oil resistant

YSLYQY / LiYY-SY E_{ca}

Measurement and control cable, 300/500 V
+70 °C service temperature, steel wire armored, largely oil resistant
EN 50575 and adapted to EN 50525-2-51

| N° of cores and size mm ² | Outer-diameter approx. mm | Cable weight approx. kg/km |
|---|------------------------------|-------------------------------|
| 2 x 0,5 | 7,2 | 77 |
| 3 G 0,5 | 7,7 | 86 |
| 4 G 0,5 | 8,1 | 101 |
| 5 G 0,5 | 8,6 | 116 |
| 7 G 0,5 | 9,7 | 134 |
| 12 G 0,5 | 11,6 | 204 |
| 18 G 0,5 | 13,5 | 266 |
| 21 G 0,5 | 14,9 | 332 |
| 25 G 0,5 | 15,6 | 345 |
| 2 x 0,75 | 7,8 | 88 |
| 3 G 0,75 | 8,1 | 102 |
| 4 G 0,75 | 8,6 | 135 |
| 5 G 0,75 | 9,4 | 144 |
| 7 G 0,75 | 10,3 | 168 |
| 12 G 0,75 | 12,8 | 152 |
| 18 G 0,75 | 14,8 | 330 |
| 21 G 0,75 | 16,2 | 415 |
| 25 G 0,75 | 17,0 | 435 |
| 34 G 0,75 | 19,3 | 575 |
| 2 x 1 | 8,2 | 101 |
| 3 G 1 | 8,5 | 112 |
| 4 G 1 | 9,3 | 127 |
| 5 G 1 | 9,8 | 153 |
| 7 G 1 | 11,0 | 188 |
| 12 G 1 | 13,6 | 285 |
| 18 G 1 | 15,6 | 400 |
| 25 G 1 | 18,1 | 520 |
| 34 G 1 | 20,5 | 707 |
| 2 x 1,5 | 8,9 | 117 |
| 3 G 1,5 | 9,3 | 137 |
| 4 G 1,5 | 9,9 | 167 |
| 5 G 1,5 | 10,8 | 193 |
| 7 G 1,5 | 11,9 | 228 |
| 12 G 1,5 | 15,1 | 378 |
| 18 G 1,5 | 17,3 | 480 |
| 25 G 1,5 | 20,3 | 685 |
| 34 G 1,5 | 22,9 | 870 |
| 41 G 1,5 | 24,9 | 1101 |
| 50 G 1,5 | 27,1 | 1305 |

YSLYQY / LiYY-SY E_{ca}

Measurement and control cable, 300/500 V
+70 °C service temperature, steel wire armored, largely oil resistant
EN 50575 and adapted to EN 50525-2-51

| N° of cores and size mm ² | Outer-diameter approx. mm | Cable weight approx. kg/km |
|---|------------------------------|-------------------------------|
| 2 x 2,5 | 10,4 | 48,0 |
| 3 G 2,5 | 11,0 | 72,0 |
| 4 G 2,5 | 11,9 | 96,0 |
| 5 G 2,5 | 12,8 | 120,0 |
| 7 G 2,5 | 14,3 | 168,0 |
| 12 G 2,5 | 18,2 | 288,0 |
| 18 G 2,5 | 21,1 | 432,0 |
| 25 G 2,5 | 24,4 | 600,0 |
| | | |
| 3 G 4 | 12,6 | 115,0 |
| 4 G 4 | 13,9 | 154,0 |
| 5 G 4 | 15,0 | 192,0 |
| 7 G 4 | 16,4 | 269,0 |
| | | |
| 4 G 6 | 15,8 | 230,0 |
| 5 G 6 | 17,2 | 288,0 |
| 7 G 6 | 18,9 | 403,0 |
| | | |
| 4 G 10 | 19,4 | 384,0 |
| 5 G 10 | 21,5 | 480,0 |
| 7 G 10 | 23,4 | 672,0 |
| | | |
| 4 G 16 | 22,4 | 614,0 |
| 5 G 16 | 24,6 | 768,0 |
| 7 G 16 | 27,2 | 1075,0 |
| | | |
| 4 G 25 | 32,0 | 960,0 |
| 5 G 25 | 37,0 | 1.200,0 |
| | | |
| 4 G 35 | 36,0 | 1.344,0 |
| 5 G 35 | 41,0 | 1.680,0 |
| | | |
| 4 G 50 | 43,0 | 1.920,0 |
| 4 G 70 | 52,0 | 2.688,0 |
| 4 G 95 | 58,0 | 3.648,0 |

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