

Control cable

YSLY 600



Application: Flexible power, process control and instrumentation cable for industry, machinery and outdoor environment. The cable is resistant to UV-irradiation, to most commonly used chemicals and to oil and grease. Not suitable for constant motion.

Construction and technical data:

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|--|--------------------------------|
| CPR-performance: | Eca |
| Conductor material: | copper, bare |
| Conductor construction: | Class 5 = flexible |
| Insulation: | PVC |
| Sheathing material: | special PVC-compound |
| Colour of outer sheath: | black |
| Flame-retardant: | VDE 0482-332-1-2/IEC 60332-1-2 |
| Maximum temperature at conductor, °C: | 70 °C |
| Permitted outer cable temperature, fixed, °C: | -40 - +70 °C |
| Permitted outer cable temperature, moved, °C: | -5 - +70 °C |
| Bending radius, fixed installation: | 4 x Ø |



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

YSLY-JZ 600

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|---------------------------------------|------------------------|
| Nominal voltage U₀: | 0.6 kV |
| Nominal voltage U: | 1 kV |
| Test voltage: | 4 kV |
| Protective conductor: | yes |
| Core identification: | green-yellow + numbers |

| part no. | part name | RI [Ohm/km] | Rbv [mm] | Ø [mm] | Cu [kg/km] | G [kg] |
|----------|-----------|-------------|----------|--------|------------|--------|
| 033581 | 03X0.75 | 26 | 35 | 7 | 22 | 91 |
| 033582 | 04X0.75 | 26 | 37 | 7.5 | 29 | 120 |
| 033583 | 05X0.75 | 26 | 40 | 8 | 36 | 134 |
| 033585 | 07X0.75 | 26 | 44 | 9 | 50,4 | 177 |

| part no. | part name | RI [Ohm/km] | Rbv [mm] | Ø [mm] | Cu [kg/km] | G [kg] |
|----------|-----------|-------------|----------|--------|------------|--------|
| 033589 | 12X0.75 | 26 | 54 | 12.3 | 86,4 | 248 |
| 033592 | 18X0.75 | 26 | 62 | 14.8 | 130 | 350 |
| 033595 | 25X0.75 | 26 | 76 | 18 | 180 | 478 |
| 033597 | 34X0.75 | 26 | 86 | 20.4 | 245 | 626 |
| 033601 | 42X0.75 | 26 | 93 | 22.1 | 302,4 | 760 |
| 033602 | 50X0.75 | 26 | 102 | 24.3 | 360 | 871 |
| 033603 | 61X0.75 | 26 | 113 | 26.8 | 439,2 | 1060 |
| 033608 | 03X1 | 19.5 | 36 | 7.4 | 29 | 98 |
| 033609 | 04X1 | 19.5 | 38 | 8.4 | 38,4 | 110 |
| 033610 | 05X1 | 19.5 | 42 | 9.2 | 48 | 136 |
| 033612 | 07X1 | 19.5 | 48 | 10.6 | 67,2 | 179 |
| 033615 | 10X1 | 19.5 | 56 | 12.4 | 96 | 268 |
| 033616 | 12X1 | 19.5 | 58 | 12.8 | 115,2 | 287 |
| 033619 | 18X1 | 19.5 | 69 | 15.2 | 173 | 408 |
| 033623 | 25X1 | 19.5 | 84 | 18.6 | 240 | 567 |
| 033626 | 34X1 | 19.5 | 96 | 21.1 | 326,4 | 751 |
| 033633 | 50X1 | 19.5 | 114 | 25.1 | 480 | 1076 |
| 033640 | 03X1.5 | 13.3 | 40 | 9.1 | 43,2 | 100 |
| 033641 | 04X1.5 | 13.3 | 43 | 9.7 | 58 | 139 |
| 033477 | 05X1.5 | 13.3 | 47 | 10.5 | 72 | 176 |
| 032045 | 07X1.5 | 13.3 | 54 | 12.2 | 101 | 192 |
| 033647 | 12X1.5 | 13.3 | 66 | 14.9 | 173 | 363 |
| 031832 | 18X1.5 | 13.3 | 79 | 17.7 | 259,2 | 520 |
| 033653 | 25X1.5 | 13.3 | 96 | 21.5 | 360 | 740 |
| 033660 | 61X1.5 | 13.3 | 147 | 33.1 | 878,4 | 1680 |
| 037082 | 90X1.5 | 13.3 | 154 | 34.7 | 1296 | 2395 |
| 033665 | 03X2.5 | 7.98 | 45 | 10.5 | 72 | 156 |
| 033666 | 04X2.5 | 7.98 | 49 | 11.3 | 96 | 209 |
| 033478 | 05X2.5 | 7.98 | 53 | 12.4 | 120 | 252 |
| 033667 | 07X2.5 | 7.98 | 61 | 14.1 | 168 | 335 |
| 033669 | 12X2.5 | 7.98 | 75 | 17.4 | 288 | 544 |
| 033671 | 18X2.5 | 7.98 | 88 | 20.5 | 432 | 788 |
| 033673 | 25X2.5 | 7.98 | 108 | 25 | 600 | 1101 |
| 033680 | 03X4 | 4.95 | 50 | 11.8 | 115,2 | 225 |
| 033681 | 04X4 | 4.95 | 56 | 13.2 | 154 | 311 |
| 033682 | 05X4 | 4.95 | 61 | 14.4 | 192 | 398 |
| 033683 | 07X4 | 4.95 | 67 | 15.8 | 269 | 524 |
| 033686 | 03X6 | 3.3 | 57 | 13.3 | 173 | 325 |
| 033687 | 04X6 | 3.3 | 63 | 14.8 | 230,4 | 429 |
| 033688 | 05X6 | 3.3 | 72 | 16.8 | 288 | 602 |
| 033689 | 07X6 | 3.3 | 79 | 18.5 | 403,2 | 802 |
| 033690 | 03X10 | 1.91 | 75 | 17.6 | 288 | 655 |
| 033691 | 04X10 | 1.91 | 78 | 18.5 | 384 | 737 |
| 033692 | 05X10 | 1.91 | 92 | 21.9 | 480 | 812 |
| 033693 | 07X10 | 1.91 | 100 | 23.8 | 672 | 1293 |
| 033694 | 03X16 | 1.21 | 79 | 18.7 | 461 | 695 |
| 033695 | 04X16 | 1.21 | 88 | 20.8 | 614,4 | 981 |
| 033479 | 05X16 | 1.21 | 108 | 25.7 | 768 | 1384 |
| 033696 | 07X16 | 1.21 | 123 | 29.3 | 1075 | 1873 |
| 033698 | 04X25 | 0.78 | 120 | 28.5 | 960 | 1493 |
| 033699 | 05X25 | 0.78 | 135 | 32.1 | 1200 | 1842 |
| 033700 | 07X25 | 0.78 | 199 | 47.2 | 1680 | 2850 |
| 033702 | 04X35 | 0.554 | 132 | 28.5 | 1344 | 2032 |
| 033703 | 05X35 | 0.554 | 148 | 35.1 | 1680 | 2491 |
| 033705 | 04X50 | 0.386 | 160 | 34.2 | 1920 | 2556 |

| part no. | part name | RI [Ohm/km] | Rbv [mm] | Ø [mm] | Cu [kg/km] | G [kg] |
|----------|-----------|-------------|----------|--------|------------|--------|
| 033706 | 05X50 | 0.386 | 168 | 38 | 2400 | 3645 |
| 033708 | 04X70 | 0.272 | 184 | 39.9 | 2688 | 4050 |
| 033709 | 05X70 | 0.272 | 188 | 44.2 | 3360 | 5807 |
| 033711 | 04X95 | 0.206 | 165 | 43.7 | 3648 | 5246 |
| 033712 | 05X95 | 0.206 | 220 | 52.3 | 4560 | 6791 |
| 037081 | 05X120 | 0.161 | 233 | 55.3 | 5760 | 7684 |
| 033713 | 04X120 | 0.161 | 260 | 61.8 | 4608 | 6589 |
| 033714 | 04X150 | 0.129 | 268 | 63.7 | 5760 | 8252 |
| 033715 | 04X185 | 0.106 | 272 | 64.6 | 7104 | 9788 |

YSLY-OZ 600

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|---------------------------------------|---------|
| Nominal voltage U_o: | 0.6 kV |
| Nominal voltage U: | 1 kV |
| Test voltage: | 4 kV |
| Protective conductor: | no |
| Core identification: | numbers |

| part no. | part name | RI [Ohm/km] | Rbv [mm] | Ø [mm] | Cu [kg/km] | G [kg] |
|----------|-----------|-------------|----------|--------|------------|--------|
| 033554 | 02X0.5 | 39 | 28 | 6.7 | 9,6 | 66 |
| 037508 | 04X0.5 | 39 | 29 | 7.2 | 19,2 | 73 |
| 033580 | 02X0.75 | 26 | 33 | 6.7 | 14,4 | 81 |
| 034936 | 03X0.75 | 29 | 35 | 7 | 22 | 91 |
| 033607 | 02X1 | 19.5 | 34 | 7.6 | 19,2 | 84 |
| 033734 | 03X1 | 19.5 | 36 | 7.4 | 29 | 98 |
| 033639 | 02X1.5 | 13.3 | 38 | 8.6 | 29 | 95 |
| 033733 | 03X1.5 | 13.3 | 40 | 9.1 | 43,2 | 100 |
| 033664 | 02X2.5 | 7.98 | 43 | 10 | 48 | 160 |
| 034979 | 03X2.5 | 7.98 | 40 | 10.5 | 72 | 156 |
| 034980 | 04X2.5 | 7.98 | 49 | 11.3 | 96 | 209 |
| 033679 | 02X4 | 4.95 | 46 | 10.7 | 77 | 178 |

Y-JB 600

| | |
|---------------------------------------|----------------------------------|
| Nominal voltage U_o: | 0.6 kV |
| Nominal voltage U: | 1 kV |
| Test voltage: | 4 kV |
| Protective conductor: | yes |
| Core identification: | colours acc. to VDE 0293 (HD308) |

| part no. | part name | RI [Ohm/km] | Rbv [mm] | Ø [mm] | Cu [kg/km] | G [kg] |
|----------|-----------|-------------|----------|--------|------------|--------|
| 037045 | 07X1 | 19.5 | 49 | 11.5 | 67,2 | 179 |
| 031830 | 03X1.5 | 13.3 | 41 | 9.1 | 43,2 | 95 |
| 037554 | 03X2.5 | 7.98 | 42 | 10.5 | 72 | 156 |
| 031829 | 04X1.5 | 13.3 | 39 | 9.7 | 58 | 155 |
| 035963 | 03X35 | 0.554 | 124 | 29.5 | 1008 | 1885 |
| 035964 | 03X50 | 0.386 | 144 | 34.1 | 1440 | 2700 |
| 036314 | 05X50 GY | 0.386 | 156 | 38 | 2400 | 3800 |

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|-----|------------------------------------|
| RI | Conductor resistance |
| Rbv | Bending radius, fixed installation |
| Ø | outer diameter approx. |
| Cu | Copper weight (GER) |
| G | net weight per 1000 |