



Application: Flexible power, process control and instrumentation cable for industry and machinery environment with increased requirements to electromagnetic compatibility. The cable is resistant against UV-irradiation and most usual chemicals, oil and grease. For indoor and outdoor application.

Construction

conductor material: bare copper

conductor construction: fine stranded, class 5

insulation: PVC

inner sheath: PVC

screen: Cu-braiding

screen coverage: 70 %

sheathing material: special PVC-compound

colour of outer sheath: black

core identification:

YSLYCY-JZ 600 gn-ye + numbers

YSLYCY-OZ 600 numbers



fine stranded, class 5



maximum temperature at conductor: 70 °C



max. operating temperature, fixed: -20 - +70 °C



temperature, moved/during installation: -5 - +70 °C



bending radius, fixed installation: 5 x DA
moved application: 10 x DA



nominal voltage U_0 : 600 V



nominal voltage U: 1 kV



test voltage: 4 kV



flame retardant:
VDE 0482-332-1-2/IEC 60332-1



oil resistant: EN 60811-2-1



installation in free air
without protection
(cable UV-resistant)



screened cable

Screened control cable YSLYCY 600



| p/n | part name | R_l [Ω /km] | R_{bv} [mm] | D_A [mm] | Cu [kg/km] | G [kg] |
|----------------------|-----------------------------------|--------------------------|------------------|---------------|---------------|-----------|
| YSLYCY-JZ 600 | | | | | | |
| 032061 | YSLYCY-JZ 600 03X0,75 0,6/1 kV SW | 26 | 90 | 9 | 57 | 155 |
| 033195 | YSLYCY-JZ 600 04X0,75 0,6/1 kV SW | 26 | 114 | 11,4 | 68 | 214 |
| 033196 | YSLYCY-JZ 600 05X0,75 0,6/1 kV SW | 26 | 121 | 12,1 | 79 | 250 |
| 033197 | YSLYCY-JZ 600 07X0,75 0,6/1 kV SW | 26 | 130 | 13 | 97 | 319 |
| 033198 | YSLYCY-JZ 600 12X0,75 0,6/1 kV SW | 26 | 158 | 15,8 | 169 | 437 |
| 033199 | YSLYCY-JZ 600 18X0,75 0,6/1 kV SW | 26 | 180 | 18 | 229 | 588 |
| 033741 | YSLYCY-JZ 600 25X0,75 0,6/1 kV SW | 26 | 228 | 22,8 | 296 | 746 |
| 033166 | YSLYCY-JZ 600 03X1 0,6/1 kV SW | 19,5 | 112 | 11,2 | 67 | 196 |
| 033167 | YSLYCY-JZ 600 04X1 0,6/1 kV SW | 19,5 | 118 | 11,8 | 97 | 231 |
| 033168 | YSLYCY-JZ 600 05X1 0,6/1 kV SW | 19,5 | 126 | 12,6 | 94 | 270 |
| 032846 | YSLYCY-JZ 600 07X1 0,6/1 kV SW | 19,5 | 145 | 14,5 | 122 | 289 |
| 033169 | YSLYCY-JZ 600 12X1 0,6/1 kV SW | 19,5 | 174 | 17,4 | 204 | 493 |
| 033170 | YSLYCY-JZ 600 18X1 0,6/1 kV SW | 19,5 | 207 | 20,7 | 280 | 658 |
| 033171 | YSLYCY-JZ 600 25X1 0,6/1 kV SW | 19,5 | 248 | 24,8 | 369 | 870 |
| 032626 | YSLYCY-JZ 600 03X1,5 0,6/1 kV SW | 13,3 | 109 | 10,9 | 87 | 187 |
| 033173 | YSLYCY-JZ 600 04X1,5 0,6/1 kV SW | 13,3 | 122 | 12,2 | 104 | 265 |
| 032875 | YSLYCY-JZ 600 05X1,5 0,6/1 kV SW | 13,3 | 133 | 13,3 | 125 | 289 |
| 033174 | YSLYCY-JZ 600 07X1,5 0,6/1 kV SW | 13,3 | 160 | 16 | 180 | 416 |
| 033175 | YSLYCY-JZ 600 12X1,5 0,6/1 kV SW | 13,3 | 196 | 19,6 | 284 | 641 |
| 033176 | YSLYCY-JZ 600 18X1,5 0,6/1 kV SW | 13,3 | 234 | 23,4 | 391 | 872 |
| 033177 | YSLYCY-JZ 600 25X1,5 0,6/1 kV SW | 13,3 | 282 | 28,2 | 521 | 1211 |
| 036087 | YSLYCY-JZ 600 33X1,5 0,6/1 kV SW | 13,3 | 273 | 27,3 | 623 | 1203 |
| 033179 | YSLYCY-JZ 600 03X2,5 0,6/1 kV SW | 7,98 | 135 | 13,5 | 124 | 326 |
| 033180 | YSLYCY-JZ 600 04X2,5 0,6/1 kV SW | 7,98 | 146 | 14,6 | 170 | 379 |
| 033181 | YSLYCY-JZ 600 05X2,5 0,6/1 kV SW | 7,98 | 157 | 15,7 | 204 | 471 |
| 033182 | YSLYCY-JZ 600 07X2,5 0,6/1 kV SW | 7,98 | 179 | 17,9 | 268 | 590 |
| 033183 | YSLYCY-JZ 600 12X2,5 0,6/1 kV SW | 7,98 | 219 | 21,9 | 423 | 897 |
| 033184 | YSLYCY-JZ 600 18X2,5 0,6/1 kV SW | 7,98 | 261 | 26,1 | 572 | 1355 |
| 033185 | YSLYCY-JZ 600 25X2,5 0,6/1 kV SW | 7,98 | 319 | 31,9 | 740 | 1995 |
| 033201 | YSLYCY-JZ 600 03X4 0,6/1 kV SW | 4,95 | 151 | 15,1 | 191 | 391 |
| 033202 | YSLYCY-JZ 600 04X4 0,6/1 kV SW | 4,95 | 167 | 16,7 | 238 | 557 |
| 033203 | YSLYCY-JZ 600 05X4 0,6/1 kV SW | 4,95 | 186 | 18,6 | 303 | 695 |
| 033211 | YSLYCY-JZ 600 07X4 0,6/1 kV SW | 4,95 | 200 | 20 | 396 | 874 |
| 033204 | YSLYCY-JZ 600 04X6 0,6/1 kV SW | 3,3 | 187 | 18,7 | 319 | 723 |
| 033205 | YSLYCY-JZ 600 05X6 0,6/1 kV SW | 3,3 | 207 | 20,7 | 421 | 984 |
| 033209 | YSLYCY-JZ 600 04X10 0,6/1 kV SW | 1,91 | 219 | 21,9 | 576 | 1267 |
| 033210 | YSLYCY-JZ 600 05X10 0,6/1 kV SW | 1,91 | 241 | 24,1 | 620 | 1635 |
| 033218 | YSLYCY-JZ 600 04X16 0,6/1 kV SW | 1,21 | 264 | 26,4 | 809 | 1763 |
| 033219 | YSLYCY-JZ 600 05X16 0,6/1 kV SW | 1,21 | 288 | 28,8 | 1050 | 2720 |
| 033222 | YSLYCY-JZ 600 04X25 0,6/1 kV SW | 0,78 | 325 | 32,5 | 1169 | 2750 |
| 033223 | YSLYCY-JZ 600 05X25 0,6/1 kV SW | 0,78 | 357 | 35,7 | 1486 | 3490 |
| 033229 | YSLYCY-JZ 600 04X35 0,6/1 kV SW | 0,554 | 357 | 35,7 | 1686 | 3497 |
| 033230 | YSLYCY-JZ 600 05X35 0,6/1 kV SW | 0,554 | 400 | 40 | 2023 | 4950 |
| 033226 | YSLYCY-JZ 600 04X50 0,6/1 kV SW | 0,386 | 411 | 41,1 | 2374 | 4937 |
| 033227 | YSLYCY-JZ 600 05X50 0,6/1 kV SW | 0,386 | 446 | 44,6 | 2890 | 7210 |
| 033232 | YSLYCY-JZ 600 04X70 0,6/1 kV SW | 0,272 | 480 | 48 | 3261 | 7480 |
| 033233 | YSLYCY-JZ 600 05X70 0,6/1 kV SW | 0,272 | 525 | 52,5 | 4100 | 9390 |
| 033235 | YSLYCY-JZ 600 04X95 0,6/1 kV SW | 0,206 | 512 | 51,2 | 4055 | 10220 |
| 033238 | YSLYCY-JZ 600 04X120 0,6/1 kV SW | 0,161 | 581 | 58,1 | 5231 | 13750 |
| 033239 | YSLYCY-JZ 600 04X150 0,6/1 kV SW | 0,129 | 638 | 63,8 | 6794 | 15990 |
| 033240 | YSLYCY-JZ 600 04X185 0,6/1 kV SW | 0,106 | 710 | 71 | 8104 | 18470 |
| YSLYCY-OZ 600 | | | | | | |
| 033194 | YSLYCY-OZ 600 02X0,75 0,6/1 kV SW | 26 | 87 | 8,7 | 46 | 143 |
| 033165 | YSLYCY-OZ 600 02X1 0,6/1 kV SW | 19,5 | 108 | 10,8 | 52 | 174 |
| 033172 | YSLYCY-OZ 600 02X1,5 0,6/1 kV SW | 13,3 | 102 | 10,2 | 69 | 162 |
| 033178 | YSLYCY-OZ 600 02X2,5 0,6/1 kV SW | 7,98 | 115 | 11,5 | 99 | 272 |

RI: conductor resistance

Rbv: bending radius, fixed installation

DA: outer diameter

Cu: copper

G: weight