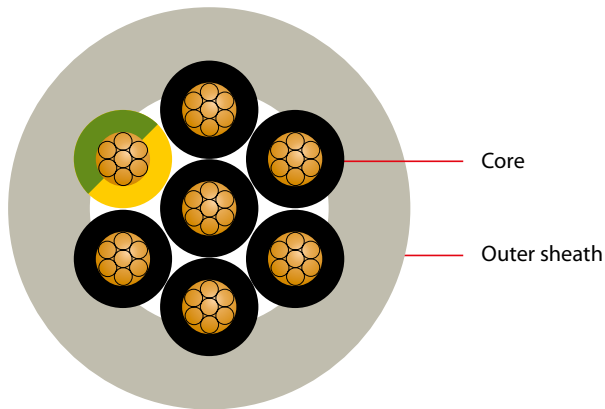


YSLY-OZ/JZ



APPLICATION

Plant manufacturing, power stations, data processing systems and others. Mainly for installation in dry, moist/wet rooms, especially in industrial environments, for average mechanical loads. No direct underground or water installation possible. For free, not constantly recurring movement, without tensile load or forced guidance, as well as for fixed installation. Resistant to UV radiation, acid, alkali and specific oils.

CONSTRUCTION

Conductor: copper strand, bare, fine-wired acc. to VDE 0295 class 5

Core insulation: special PVC insulation

Core identification: black with white numbers;

JZ: one core green-yellow in outer layer

Core stranding: cores twisted to layers

Outer sheath: special PVC-based compound;

colour: silver-grey RAL 7001 or black RAL 9005 (optional)

ELECTRICAL CHARACTERISTICS

| | |
|----------------------------|------------|
| Insulation resistance min. | 20 MΩ x km |
| Nominal voltage U_0 / U | 300/500 V |
| Test voltage | 4000 V |

THERMAL & MECHANICAL PROPERTIES

| | |
|---|----------------|
| Temperature range during installation | 0°C to +70°C |
| Temperature range stationary | -40°C to +80°C |
| Bending radius during installation min. | 15 x Diameter |
| Bending radius stationary min. | 4 x diameter |

| Dimension | Sheath thickness approx. mm | Diameter approx. mm | Cable weight approx. kg/km | Copper index kg/km |
|----------------|-----------------------------|---------------------|----------------------------|--------------------|
| YSLY-OZ | | | | |
| 2 x 0.5 | 0.7 | 4.9 | 34 | 9.6 |
| 3 x 0.5 | 0.7 | 5.3 | 42 | 14.4 |
| 4 x 0.5 | 0.7 | 5.7 | 49 | 19.2 |
| 5 x 0.5 | 0.7 | 6.5 | 65 | 24 |
| 7 x 0.5 | 0.8 | 7.0 | 79 | 34 |
| 8 x 0.5 | 0.8 | 8.1 | 101 | 38 |
| 10 x 0.5 | 0.9 | 8.6 | 114 | 48 |
| 12 x 0.5 | 1.0 | 9.2 | 132 | 58 |
| 14 x 0.5 | 1.0 | 10.2 | 161 | 67 |
| 16 x 0.5 | 1.0 | 10.5 | 173 | 77 |
| 18 x 0.5 | 1.2 | 11.5 | 203 | 86 |
| 40 x 0.5 | 1.4 | 15.6 | 391 | 192 |
| 2 x 0.75 | 0.8 | 5.5 | 45 | 14.4 |
| 3 x 0.75 | 0.8 | 5.8 | 54 | 21.6 |
| 4 x 0.75 | 0.8 | 6.4 | 66 | 29 |
| 5 x 0.75 | 0.8 | 6.9 | 79 | 36 |
| 6 x 0.75 | 0.8 | 7.5 | 94 | 43.2 |
| 7 x 0.75 | 0.8 | 7.5 | 98 | 50 |
| 8 x 0.75 | 0.9 | 9.0 | 132 | 58 |
| 9 x 0.75 | 0.9 | 8.9 | 128 | 65 |
| 10 x 0.75 | 1.0 | 9.8 | 154 | 72 |
| 12 x 0.75 | 1.0 | 9.7 | 162 | 86 |
| 14 x 0.75 | 1.1 | 10.8 | 196 | 101 |
| 18 x 0.75 | 1.1 | 11.7 | 238 | 130 |
| 25 x 0.75 | 1.3 | 14.0 | 333 | 180 |
| 42 x 0.75 | 1.5 | 17.4 | 529 | 302 |
| 2 x 1 | 0.8 | 5.9 | 53 | 19.2 |
| 2 x 1.5 | 0.8 | 6.5 | 67 | 29 |
| 2 x 4 | 1.0 | 9.3 | 152 | 76.8 |
| 2 x 6 | 1.1 | 11.1 | 221 | 115.2 |

Subject to changes due to technical progress and error



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| Dimension | Sheath thickness approx. mm | Diameter approx. mm | Cable weight approx. kg/km | Copper index kg/km |
|----------------|--------------------------------|------------------------|-------------------------------|-----------------------|
| YSLY-JZ | | | | |
| 3 x 0.5 | 0.7 | 5.3 | 42 | 14.4 |
| 4 x 0.5 | 0.7 | 5.7 | 49 | 19.2 |
| 5 x 0.5 | 0.7 | 6.5 | 65 | 24 |
| 6 x 0.5 | 0.8 | 7.0 | 76 | 28.8 |
| 7 x 0.5 | 0.8 | 7.0 | 79 | 34 |
| 8 x 0.5 | 0.8 | 8.1 | 101 | 38 |
| 10 x 0.5 | 0.9 | 8.6 | 114 | 48 |
| 12 x 0.5 | 1.0 | 9.2 | 132 | 58 |
| 14 x 0.5 | 1.0 | 10.2 | 161 | 67 |
| 16 x 0.5 | 1.0 | 10.5 | 173 | 77 |
| 21 x 0.5 | 1.1 | 11.5 | 211 | 101 |
| 25 x 0.5 | 1.2 | 13.3 | 265 | 120 |
| 30 x 0.5 | 1.2 | 14.4 | 321 | 144 |
| 34 x 0.5 | 1.4 | 15.0 | 354 | 163 |
| 40 x 0.5 | 1.4 | 15.6 | 391 | 192 |
| 42 x 0.5 | 1.4 | 16.1 | 415 | 201.6 |
| 50 x 0.5 | 1.6 | 18.4 | 525 | 574 |
| 61 x 0.5 | 1.6 | 18.8 | 574 | 293 |
| 65 x 0.5 | 1.6 | 19.6 | 628 | 312 |
| 80 x 0.5 | 2.0 | 22.4 | 791 | 384 |
| 3 x 0.75 | 0.8 | 5.8 | 54 | 21.6 |
| 4 x 0.75 | 0.8 | 6.4 | 66 | 29 |
| 5 x 0.75 | 0.8 | 6.9 | 79 | 36 |
| 6 x 0.75 | 0.8 | 7.5 | 94 | 43.2 |
| 7 x 0.75 | 0.8 | 7.5 | 98 | 50 |
| 8 x 0.75 | 0.9 | 9.0 | 132 | 58 |
| 9 x 0.75 | 0.9 | 8.9 | 128 | 65 |
| 10 x 0.75 | 1.0 | 9.8 | 154 | 72 |
| 12 x 0.75 | 1.0 | 9.7 | 162 | 86 |
| 14 x 0.75 | 1.1 | 10.8 | 196 | 101 |
| 15 x 0.75 | 1.1 | 11.2 | 206 | 108 |
| 16 x 0.75 | 1.2 | 12.0 | 238 | 116 |
| 18 x 0.75 | 1.1 | 11.7 | 238 | 130 |
| 21 x 0.75 | 1.2 | 13.3 | 291 | 151 |
| 25 x 0.75 | 1.3 | 14.0 | 333 | 180 |
| 27 x 0.75 | 1.3 | 14.5 | 359 | 195 |
| 34 x 0.75 | 1.4 | 16.4 | 456 | 245 |
| 37 x 0.75 | 1.4 | 16.2 | 466 | 266.4 |
| 41 x 0.75 | 1.5 | 17.4 | 524 | 295 |
| 42 x 0.75 | 1.5 | 17.4 | 529 | 302 |
| 50 x 0.75 | 1.6 | 19.2 | 648 | 360 |
| 61 x 0.75 | 1.7 | 21.0 | 767 | 439 |

| Dimension | Sheath thickness approx. mm | Diameter approx. mm | Cable weight approx. kg/km | Copper index kg/km |
|----------------|--------------------------------|------------------------|-------------------------------|-----------------------|
| YSLY-JZ | | | | |
| 65 x 0.75 | 2.0 | 22.1 | 835 | 468 |
| 80 x 0.75 | 2.0 | 24.3 | 1015 | 576 |
| 3 x 1 | 0.8 | 6.2 | 63 | 29 |
| 4 x 1 | 0.8 | 6.7 | 77 | 38 |
| 5 x 1 | 0.8 | 7.3 | 94 | 48 |
| 6 x 1 | 0.9 | 8.2 | 115 | 58 |
| 7 x 1 | 0.9 | 8.2 | 121 | 67 |
| 8 x 1 | 0.9 | 8.8 | 136 | 77 |
| 9 x 1 | 1.0 | 9.8 | 161 | 86 |
| 10 x 1 | 1.0 | 10.0 | 176 | 96 |
| 14 x 1 | 1.1 | 11.5 | 237 | 134 |
| 16 x 1 | 1.1 | 12.0 | 262 | 154 |
| 18 x 1 | 1.2 | 12.9 | 300 | 173 |
| 19 x 1 | 1.2 | 13.0 | 309 | 182.4 |
| 20 x 1 | 1.3 | 13.8 | 340 | 192 |
| 21 x 1 | 1.3 | 13.7 | 339 | 202 |
| 25 x 1 | 1.3 | 14.9 | 401 | 240 |
| 26 x 1 | 1.3 | 14.9 | 408 | 250 |
| 27 x 1 | 1.3 | 14.9 | 414 | 260 |
| 34 x 1 | 1.5 | 17.2 | 547 | 326 |
| 36 x 1 | 1.5 | 17.6 | 568 | 345.6 |
| 37 x 1 | 1.6 | 17.3 | 561 | 355.2 |
| 41 x 1 | 1.6 | 19.1 | 660 | 394 |
| 42 x 1 | 1.6 | 19.1 | 666 | 403 |
| 50 x 1 | 1.7 | 21.0 | 795 | 480 |
| 61 x 1 | 1.8 | 22.1 | 914 | 586 |
| 65 x 1 | 2.0 | 23.5 | 1007 | 624 |
| 3 x 1.5 | 0.8 | 6.9 | 82 | 43 |
| 4 x 1.5 | 0.8 | 7.4 | 100 | 58 |
| 5 x 1.5 | 0.9 | 8.3 | 125 | 72 |
| 6 x 1.5 | 0.9 | 9.1 | 149 | 86.4 |
| 7 x 1.5 | 0.9 | 9.1 | 158 | 101 |
| 8 x 1.5 | 1.0 | 9.9 | 179 | 115 |
| 9 x 1.5 | 1.0 | 12.0 | 249 | 130 |
| 10 x 1.5 | 1.1 | 11.0 | 224 | 144 |
| 11 x 1.5 | 1.2 | 12.2 | 263 | 158 |
| 12 x 1.5 | 1.1 | 11.7 | 263 | 173 |
| 14 x 1.5 | 1.2 | 12.9 | 311 | 202 |
| 16 x 1.5 | 1.2 | 13.4 | 342 | 230 |
| 18 x 1.5 | 1.3 | 14.7 | 399 | 259 |
| 19 x 1.5 | 1.3 | 14.7 | 408 | 273.6 |

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