

## Teknik Veriler / Technical Data



**Çalışma gerilimi**  
Operating voltage  
400/750 V



**Test gerilimi**  
Test voltage  
2500 V



**İzolasyon direnci**  
Insulation resistance  
Min 20 Mohm x Km



**Kapasite (800 Hz)**  
Capacitance (800 Hz)  
Max. 120 pf/m



**Çalışma sıcaklığı**  
Operating temperature  
-30 ...+70°C



**Kısa devre sıcaklığı Max.**  
Short-circuit temperature Max.  
160°C



**Bükme yarıçapı**  
Bending radius  
Min. 7,5 x Ø



**Alev iletme**  
Flame retardant  
IEC 60332-1-2

# YSLCY-JZ 750

## 450/750V



### Kullanım Alanları

Bu kablolar, makinelerde ölçme ve kontrol kablosu, konveyör bağlantıları, makine üretimi üretim hatları, klimalar ve çelik üretimi gibi mekanik gerilmelerin olmadığı yada hafif şiddet gerilmeli, hareket zorlamasız kuru, nemli ve ıslak yerlerde kullanılır.

### Applications

These cables are suitable for flexible use for medium mechanical stresses with free movement without tensile stress or forced movements in dry, moist and wet rooms but not suitable for open air, as measuring and control cables in tool machines, conveyor belts, production lines in machinery production, in air-conditioning and in steel production.

### Kablo Yapısı / Cable Structure

|  |   |
|--|---|
| <b>İletken</b><br>Conductor                  | : Tavlı bükülü bakır tel (HD 383 S2 Class 5)<br>: Annealed stranded copper wire (HD 383 S2 Class 5) |
| <b>İzolasyon</b><br>Insulation               | : Özel PVC bileşik (HD 21.1 S4 / TI2)<br>: Special PVC compound (HD 21.1 S4 / TI2)                  |
| <b>Damar renkleri</b><br>Core Identification | : Sarı/Yeşil ve numaralı damarlar<br>: Green/Yellow and numbered cores                              |
| <b>Büküm</b><br>Lay-up                       | : Katlar halinde bükülür<br>: In layers stranding   |
| <b>Ayırıcı</b><br>Separator                  | : Polyester bant<br>: Polyester tape  |
| <b>Ekran</b><br>Screen                       | : Kalay bakır örgü ekran<br>: Tinned copper braid screen  |
| <b>Dış kılıf</b><br>Outer sheath             | : PVC bileşik (HD 21.1 S4 / TM2)<br>: PVC compound (HD 21.1 S4 / TM2)                               |
| <b>Kılıf Rengi</b><br>Sheath Color           | : RAL 7001 Gri<br>: RAL 7001 Gray   |

### Uygulanan Testler / Applied Tests

|   |   |
|---|---|
| <b>Yapısal boyut testleri</b><br>Structural dimension tests | : DIN VDE 472 Teil 401, 402   |
| <b>Mekanik testler</b><br>Mechanical tests                  | : DIN VDE 472 Teil 303, 602, 603, 604, 608, 609, 610, 612 620, 804, 808 |
| <b>Elektriksel testler</b><br>Electrical tests              | : DIN VDE 472 Teil 502, 504, 509, 510                                   |
| <b>Yangın performans testleri</b><br>Fire performance tests | : VDE 0482-332-1-2  |

| Damar Sayısı x İletken Kesiti (mm <sup>2</sup> )  | Dış Çap yaklaşık (mm) | Bakır Faktörü (kg/km) | Kablo Ağırlığı yaklaşık (kg/km) |
|---|-----------------------|-----------------------|---------------------------------|
| Core Numbers Conductor Section (mm <sup>2</sup> ) | O.D approx (mm)       | Copper Factor (kg/km) | Cable Weight approx (kg/km)     |
| 2x0.5   | 5.7                   | 35.0                  | 45.0                            |
| 3G0.5   | 5.9                   | 42.0                  | 55.0                            |
| 4G0.5   | 6.4                   | 47.0                  | 61.0                            |
| 5G0.5   | 6.9                   | 56.0                  | 74.0                            |
| 6G0.5   | 7.6                   | 67.0                  | 89.0                            |
| 7G0.5   | 7.6                   | 69.0                  | 98.0                            |
| 8G0.5   | 8.7                   | 80.0                  | 117.0                           |
| 10G0.5  | 9.6                   | 94.0                  | 135.0                           |
| 12G0.5  | 9.7                   | 108.0                 | 157.0                           |

| Damar Sayısı x İletken Kesiti (mm <sup>2</sup> )  | Dış Çap yaklaşık (mm) | Bakır Faktörü (kg/km) | Kablo Ağırlığı yaklaşık (kg/km) |
|---|-----------------------|-----------------------|---------------------------------|
| Core Numbers Conductor Section (mm <sup>2</sup> ) | O.D approx (mm)       | Copper Factor (kg/km) | Cable Weight approx (kg/km)     |
| 14G0.5  | 10.2                  | 116.0                 | 190.0                           |
| 16G0.5  | 11.0                  | 129.0                 | 210.0                           |
| 18G0.5  | 11.5                  | 145.0                 | 217.0                           |
| 20G0.5  | 12.2                  | 172.0                 | 240.0                           |
| 21G0.5  | 12.7                  | 188.0                 | 250.0                           |
| 24G0.5  | 13.5                  | 235.0                 | 300.0                           |
| 25G0.5  | 13.6                  | 240.0                 | 314.0                           |
| 30G0.5  | 14.4                  | 295.0                 | 360.0                           |
| 32G0.5  | 14.9                  | 301.0                 | 425.0                           |

# YSLCY-JZ 750

## 450/750V



| Damar Sayısı x İletken Kesiti (mm <sup>2</sup> )  | Dış Çap yaklaşık (mm) | Bakır Faktörü (kg/km) | Kablo Ağırlığı yaklaşık (kg/km) |
|---|-----------------------|-----------------------|---------------------------------|
| Core Numbers Conductor Section (mm <sup>2</sup> ) | O.D approx (mm)       | Copper Factor (kg/km) | Cable Weight approx (kg/km)     |
| 34G0.5  | 15.6                  | 312.0                 | 433.0                           |
| 36G0.5  | 15.6                  | 318.0                 | 446.0                           |
| 40G0.5  | 16.9                  | 343.0                 | 475.0                           |
| 2X0.75  | 6.1                   | 40.0                  | 59.0                            |
| 3G0.75  | 6.3                   | 52.0                  | 66.0                            |
| 4G0.75  | 6.8                   | 60.0                  | 77.0                            |
| 5G0.75  | 7.4                   | 71.0                  | 93.0                            |
| 6G0.75  | 8.2                   | 80.0                  | 113.0                           |
| 7G0.75  | 8.2                   | 91.0                  | 130.0                           |
| 8G0.75  | 9.6                   | 110.0                 | 145.0                           |
| 10G0.75   | 10.3                  | 137.0                 | 180.0                           |
| 12G0.75   | 10.5                  | 142.0                 | 202.0                           |
| 14G0.75   | 11.3                  | 180.0                 | 225.0                           |
| 16G0.75   | 11.9                  | 200.0                 | 275.0                           |
| 18G0.75   | 12.7                  | 212.0                 | 292.0                           |
| 19G0.75   | 12.7                  | 230.0                 | 308.0                           |
| 20G0.75   | 13.3                  | 238.0                 | 320.0                           |
| 21G0.75   | 14.0                  | 246.0                 | 378.0                           |
| 24G0.75   | 14.9                  | 270.0                 | 435.0                           |
| 25G0.75   | 15.0                  | 281.0                 | 415.0                           |
| 30G0.75   | 15.8                  | 320.0                 | 450.0                           |
| 32G0.75   | 16.7                  | 342.0                 | 484.0                           |
| 34G0.75   | 17.2                  | 345.0                 | 502.0                           |
| 36G0.75   | 17.2                  | 350.0                 | 535.0                           |
| 37G0.75   | 17.2                  | 361.0                 | 592.0                           |
| 40G0.75   | 18.6                  | 369.0                 | 610.0                           |
| 50G0.75   | 20.3                  | 461.0                 | 777.0                           |
| 2x1   | 6.4                   | 50.0                  | 65.0                            |
| 3G1   | 6.7                   | 60.0                  | 80.0                            |
| 4G1   | 7.2                   | 71.0                  | 98.0                            |
| 5G1   | 8.0                   | 88.0                  | 127.0                           |
| 6G1   | 8.7                   | 97.0                  | 144.0                           |
| 7G1   | 8.7                   | 111.0                 | 158.0                           |
| 8G1   | 10.1                  | 127.0                 | 197.0                           |
| 10G1  | 11.2                  | 150.0                 | 232.0                           |
| 12G1  | 11.4                  | 184.0                 | 260.0                           |
| 14G1  | 12.0                  | 196.0                 | 302.0                           |
| 16G1  | 12.8                  | 209.0                 | 346.0                           |
| 18G1  | 13.5                  | 260.0                 | 380.0                           |
| 19G1  | 13.5                  | 280.0                 | 412.0                           |
| 20G1  | 14.3                  | 317.0                 | 440.0                           |
| 24G1  | 16.0                  | 320.0                 | 493.0                           |
| 25G1  | 16.2                  | 349.0                 | 534.0                           |
| 27G1  | 16.2                  | 400.0                 | 562.0                           |
| 28G1  | 17.0                  | 480.0                 | 595.0                           |
| 30G1  | 17.0                  | 441.0                 | 616.0                           |
| 34G1  | 18.5                  | 486.0                 | 741.0                           |
| 37G1  | 18.5                  | 519.0                 | 790.0                           |
| 40G1  | 19.9                  | 510.0                 | 835.0                           |
| 50G1  | 21.8                  | 625.0                 | 1025.0                          |
| 2x1.5   | 7.0                   | 63.0                  | 88.0                            |
| 3G1.5   | 7.5                   | 80.0                  | 100.0                           |

| Damar Sayısı x İletken Kesiti (mm <sup>2</sup> )  | Dış Çap yaklaşık (mm) | Bakır Faktörü (kg/km) | Kablo Ağırlığı yaklaşık (kg/km) |
|---|-----------------------|-----------------------|---------------------------------|
| Core Numbers Conductor Section (mm <sup>2</sup> ) | O.D approx (mm)       | Copper Factor (kg/km) | Cable Weight approx (kg/km)     |
| 4G1.5   | 8.1                   | 97.0                  | 126.0                           |
| 5G1.5   | 11.4                  | 170.0                 | 160.0                           |
| 7G1.5   | 12.6                  | 193.0                 | 208.0                           |
| 8G1.5   | 12.8                  | 267.0                 | 244.0                           |
| 10G1.5  | 12.6                  | 193.0                 | 315.0                           |
| 12G1.5  | 12.8                  | 267.0                 | 338.0                           |
| 14G1.5  | 13.5                  | 283.0                 | 383.0                           |
| 16G1.5  | 14.4                  | 315.0                 | 424.0                           |
| 18G1.5  | 15.4                  | 374.0                 | 479.0                           |
| 19G1.5  | 15.4                  | 396.0                 | 508.0                           |
| 20G1.5  | 16.1                  | 396.0                 | 545.0                           |
| 21G1.5  | 17.0                  | 425.0                 | 560.0                           |
| 24G1.5  | 18.2                  | 458.0                 | 690.0                           |
| 25G1.5  | 18.4                  | 526.0                 | 705.0                           |
| 27G1.5  | 18.4                  | 531.0                 | 774.0                           |
| 28G1.5  | 19.1                  | 541.0                 | 810.0                           |
| 30G1.5  | 19.1                  | 555.0                 | 830.0                           |
| 35G1.5  | 20.8                  | 645.0                 | 890.0                           |
| 37G1.5  | 20.8                  | 674.0                 | 945.0                           |
| 40G1.5  | 22.6                  | 725.0                 | 1060.0                          |
| 50G1.5  | 24.7                  | 885.0                 | 1290.0                          |
| 2x2.5   | 9.0                   | 144.0                 | 130.0                           |
| 3G2.5   | 9.8                   | 148.0                 | 167.0                           |
| 4G2.5   | 9.8                   | 174.0                 | 195.0                           |
| 5G2.5   | 10.9                  | 181.0                 | 223.0                           |
| 7G2.5   | 11.9                  | 255.0                 | 344.0                           |
| 10G2.5  | 15.5                  | 340                   | 460.0                           |
| 12G2.5  | 15.8                  | 441.0                 | 570.0                           |
| 18G2.5  | 18.9                  | 570.0                 | 681.0                           |
| 2x4   | 9.8                   | 120.0                 | 185.0                           |
| 3G4   | 10.6                  | 174.0                 | 240.0                           |
| 4G4   | 11.5                  | 230.0                 | 310.0                           |
| 5G4   | 12.7                  | 273.0                 | 385.0                           |
| 7G4   | 14.0                  | 316.0                 | 500.0                           |
| 2x6   | 11.7                  | 173.0                 | 268.0                           |
| 3G6   | 12.5                  | 240.0                 | 330.0                           |
| 4G6   | 13.8                  | 305.0                 | 415.0                           |
| 5G6   | 15.3                  | 439.0                 | 509.0                           |
| 7G6   | 16.9                  | 505.0                 | 672.0                           |
| 2x10  | 14.7                  | 255.0                 | 425.0                           |
| 3G10  | 15.7                  | 350.0                 | 500.0                           |
| 4G10  | 17.3                  | 535.0                 | 783.0                           |
| 5G10  | 19.2                  | 592                   | 856.0                           |
| 7G10  | 21.4                  | 810.0                 | 1305.0                          |
| 4G16  | 20.4                  | 740.0                 | 880.0                           |
| 5G16  | 22.6                  | 895.0                 | 1295.0                          |
| 4G25  | 24.9                  | 1140.0                | 1570.0                          |
| 5G25  | 27.8                  | 1380.0                | 1965.0                          |
| 4G35  | 28.4                  | 1576.0                | 2070.0                          |
| 5G35  | 31.6                  | 1930.0                | 2690.0                          |
| 4G50  | 34.6                  | 2155.0                | 3015.0                          |