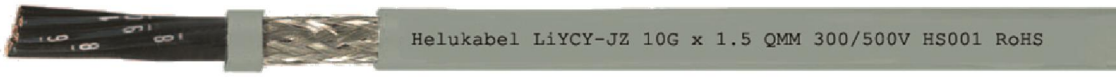
# HELUKABEL® LiYCY-JZ flexible, screened cable, number coded




RoHS

### *Technical Data*

*- EMC Control cables, special PVC with UV resistant properties*

***Temperature Range***

*80° C*

***Nominal Voltage***

*$U_o$/U 300/500V*

***Test Voltage***

*Core to Core : 4000V*

*Core to Shielding : 2000V*

***Insulation Resistance***

*min 20Mohm x km*

***Minimum Bending Radius***

6 x cable diameter (fixed)

### *Cable Structure*

*- Bare Copper, fine wire stranded conductors, class 5 according to IEC60228 & BS6360*

*- Insulation of special PVC, Lead and Cadmium Free*

*- Black Cores with continuous white numbering*

*- JZ - with green/yellow earth core (3 cores and above)*

*- OZ - w/o green/yellow earth core (2 cores)*

*- Tinned fine copper braided screened*

*- Outer sheath of special PVC, Lead and Cadmium Free, Grey, RAL7001*

*- Self extinguishing and flame retardant, test according to IEC60332-1*

### *Application*

*These cables are flexible usage for medium mechanical tensile stress or forced movement in dry moist and wet rooms. It is suitable as control and connecting cable in machines, conveying belts, production lines, machine tools industries, progressive assembly lines, automatic handling apparatus*

*The Copper screening assures a disturbance-free data and signal transmission for measuring and control systems*

*RoHS compliant*

*Extensively oil resistant*

| Part No. | No. Cores x Cross-sec mm² | Outer Ø ca. mm | Cop. Weight kg/km | Weight ca. kg/km |
|---|---|---|---|---|
| 1655892 | 2x0.75 OZ | 5.9 | 24.0 | 44.0 |
| 1655992 | 3G0.75 | 6.2 | 32.0 | 47.0 |
| 1656092 | 4G0.75 | 6.7 | 40.0 | 58.0 |
| 1656192 | 5G0.75 | 7.2 | 49.0 | 72.0 |
| 1656392 | 7G0.75 | 8.3 | 64.0 | 104.0 |
| 1656692 | 12G0.75 | 10.1 | 102.0 | 162.0 |
| 1656892 | 16G0.75 | 11.2 | 133.0 | 208.0 |
| 1656992 | 18G0.75 | 12.0 | 148.0 | 228.0 |
| 1657292 | 21G0.75 | 13.3 | 170.0 | 302.0 |
| 1657492 | 25G0.75 | 14.5 | 204.0 | 338.0 |
| 1605192 | 2x1.0 OZ | 6.2 | 30.0 | 46.0 |
| 1605292 | 3G1.0 | 6.5 | 40.0 | 62.0 |
| 1605392 | 4G1.0 | 7.1 | 51.0 | 78.0 |
| 1605492 | 5G1.0 | 7.5 | 61.0 | 100.0 |
| 1605692 | 7G1.0 | 8.8 | 81.0 | 128.0 |
| 1605992 | 12G1.0 | 11.0 | 131.0 | 207.0 |

| Part No. | No. Cores x Cross-sec mm² | Outer Ø ca. mm | Cop. Weight kg/km | Weight ca. kg/km |
|---|---|---|---|---|
| 1606292 | 18G1.0 | 12.8 | 192.0 | 312.0 |
| 1607592 | 2x1.5 OZ | 6.8 | 39.0 | 65.0 |
| 1607692 | 3G1.5 | 7.1 | 53.0 | 74.0 |
| 1607792 | 4G1.5 | 7.8 | 67.0 | 96.0 |
| 1607892 | 5G1.5 | 8.5 | 81.0 | 122.0 |
| 1607992 | 7G1.5 | 9.4 | 109.0 | 170.0 |
| 1608092 | 9G1.5 | 11.7 | 141.0 | 218.0 |
| 1608292 | 12G1.5 | 12.2 | 181.0 | 252.0 |
| 1608392 | 15G1.5 | 13.4 | 223.0 | 328.0 |
| 1608592 | 18G1.5 | 14.5 | 263.0 | 368.0 |
| 1608892 | 25G1.5 | 17.2 | 361.0 | 540.0 |
| 1609892 | 2x2.5 OZ | 8.1 | 59.0 | 94.0 |
| 1609992 | 3G2.5 | 8.6 | 81.0 | 105.0 |
| 1610092 | 4G2.5 | 9.4 | 105.0 | 152.0 |
| 1610192 | 5G2.5 | 10.4 | 129.0 | 171.0 |
| 1610292 | 7G2.5 | 12.3 | 175.0 | 264.0 |

*above values are nominal and approximate

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