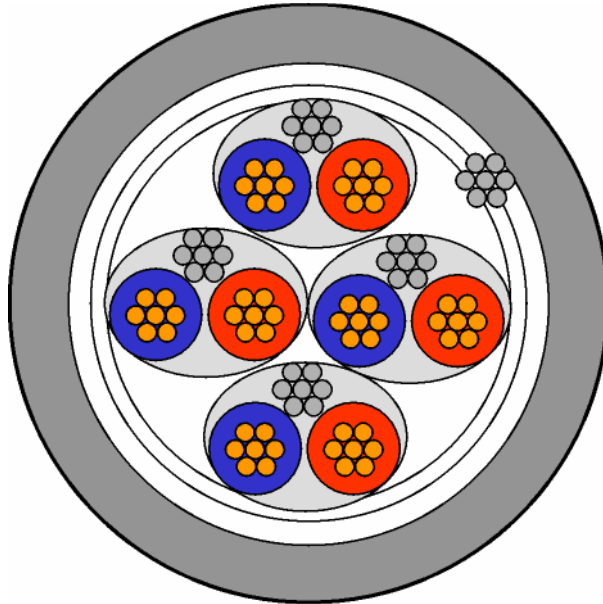




JAMAK[®]-C LSZH

Symmetrical data cable for industrial control equipment



Application

These symmetrical data transmission cables are used in control and supervision centre for industrial sites. They are suitable for fixed installation inside housings.

Flame resistance

Oxygen Index LOI acc. to ASTM-D-2863
Smoke emission acc. to ASTM-D-2843
HCL emission acc. to IEC 754-1
Fire retardance acc. to IEC 332-1

> 30 %
10-20 %
0,5 %

Construction

| | |
|--------------------------|---|
| Conductor | Tinned stranded copper wire, 0.5 mm ² (7x 0.3 mm Ø) |
| Insulation | PE, 1.5 mm Ø |
| Conductor identification | a-conductor blue; b-conductor red |
| Stranding | 2 conductors to pair |
| Stranding to core | (0+4) |
| Pair shielding | Laminated AL-foil + copper drain wire 0.5 mm ² |
| Overall shielding | 2 Laminated AL-foils with inner copper drain wire 0.5 mm ² |
| Outer sheath | FRNC, grey |



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Mechanical properties

| | |
|--|------------------------------|
| Operating temperature | - 30 °C to + 70 °C |
| Min. Installation temperature | - 5 °C |
| Min. bending radius without/with pulling | 10x/15x cable outer diameter |
| | |

Electrical properties

at 20°C

| | |
|--|---------------|
| Loop resistance | 81 Ω/km |
| Insulation resistance (at 500 V, 1 min.) | 2 GΩ*km |
| Capacitance at 800 Hz | 85 nF/km |
| Max. operating voltage | 75 V |
| Relative velocity factor NVP | 0.66 |
| Impedance (at 10 MHz) | 70 Ω +/- 10 % |
| Frequency | attenuation |
| [kHz] | [dB/100 m] |
| 9.6 | 0.3 |
| 19.2 | 0.5 |
| 64 | 0.7 |
| 100 | 0.9 |
| 200 | 1.6 |
| 1000 | 4.5 |

Technical data

| Part no. SAP | Type | Dimension | Outer diameter mm | Standard length m | weight kg/km | Copper content |
|-----------------|---------|--------------|----------------------|----------------------|-----------------|----------------|
| 1005528-01000DX | JAMAK-C | 2x(2+1)x0.5 | 8.0 | 1000 | 72 | 33 |
| 1005529-01000DX | JAMAK-C | 4x(2+1)x0.5 | 9.0 | 1000 | 110 | 61 |
| 1005530-01000DX | JAMAK-C | 8x(2+1)x0.5 | 13.5 | 1000 | 207 | 116 |
| 1005531-01000DX | JAMAK-C | 12x(2+1)x0.5 | 15.0 | 1000 | 283 | 172 |
| 1006195-01000DX | JAMAK-C | 24x(2+1)x0.5 | 21.0 | 1000 | 541 | 339 |
| 1006197-00500DX | JAMAK-C | 48x(2+1)x0.5 | 28.5 | 500 | 1021 | 672 |