## LI2Y(St)CY (RS 232-422)



## Areas of Use

Used for transmission of the data signal in computer, information and communication systems as well as process control for computer systems and terminals.

## Cable Construction

| Conductor | $0.22 \mathrm{~mm}^{2}$ Stranded Tinned Copper ( $7 \times 0.20 \mathrm{~mm}$ AWG 24), $0.34 \mathrm{~mm}^{2}$ Stranded Tinned Copper ( $7 \times 0.25 \mathrm{~mm}$ AWG 22) |
| :---: | :---: |
| Insulation | PE (EN 50290-2-23, VDE 0207-2YI1) |
| Core Colors | DIN 47100 (4 cores colors, white, yellow, brown, green) |
| Lay-up | Cores are twisted as pairs and pairs are stranded in layers |
| Separator | PET Foil |
| 1. Screen | Al-PET Foil (with stranded tinned copper drain wire) |
| 2. Screen | Tinned Copper Wire Braid |
| Outer Sheath | PVC (EN 50290-2-22 TM 51), RAL 7001 - Grey |
| Technical Properties |  |
| Operating Voltage | 300 V |
| Test Voltage | 1200 V |
| Velocity of Propagation | 0,66 |
| Insulation Resistance | >5000 M. $2 \times \mathrm{km}$ |
| Capacitance (@800Hz) | Core - Core: $\leq 52 \mathrm{nF} / \mathrm{km}$, Core - Cores - Screen: $\leq 90 \mathrm{nF} / \mathrm{km}$ |
| Characteristic Impedance | $100 \pm 10 \Omega$ |
| Loop Resistance | AWG 24: $\leq 182 \Omega / \mathrm{km}$; AWG 22: $\leq 115 \Omega / \mathrm{km}$ |
| Temperature Range | $-30^{\circ} \mathrm{C} . . . . . . .+70{ }^{\circ} \mathrm{C}$ |
| Flame Retardancy | IEC/EN 60332-1 |
| Min. Bending Radius (Fixed) | $10 \times$ Cable Diameter |

## Cross Section

| Configuration $/$ Cross-Section <br> $\left(\mathrm{mm} / \mathrm{mm}^{2}\right)$ | Cable Diameter $(\mathrm{mm})( \pm 5 \%)$ | Copper Weight $(\mathrm{kg} / \mathrm{km})$ | ~ Cable Weight $(\mathrm{kg} / \mathrm{km})$ |
| :--- | :---: | :---: | :---: |
| $1 \times 2 \times 0.22$ | 5.8 | 15 | 42 |
| $2 \times 2 \times 0.22$ | 8.2 | 24 | 68 |
| $3 \times 2 \times 0.22$ | 8.7 | 30 | 80 |
| $4 \times 2 \times 0.22$ | 9.5 | 36 | 94 |
| $1 \times 2 \times 0.34$ | 6.1 | 18 | 47 |
| $2 \times 2 \times 0.34$ | 8.7 | 30 | 78 |
| $3 \times 2 \times 0.34$ | 9.2 | 46 | 93 |
| $4 \times 2 \times 0.34$ | 10.2 |  | 113 |

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