

## APPLICATION RANGE

In places where electro-magnetic interference and influence exists

- Instrumentation and control engineering
- Industrial electronics
- Computers and office machines
- Indoor communication systems
- Indoor sound systems
- Security systems

## CONSTRUCTION

|               |  |
|---------------|--|
| Conductor     | Stranded electrolytic copper wire Class5, (BS EN 60228:2005) |
| Insulation    | PVC (Polyvinyl Chloride) Compound (EN 50363-3 T12)           |
| Colour Code   | DIN 47100 (Only strip code not ring code)                    |
| Stranding     | Pairs in layers  |
| Wrapping      | PES tape   |
| Screen        | Tinned copper braiding                                       |
| Sheath        | PVC (Polyvinyl Chloride) Compound (EN 50363-4-1 TM2)         |
| Sheath Colour | RAL 9005 Black ; RAL 5015 Blue ; RAL 7001 Grey               |

## TECHNICAL SPECIFICATION

|                        |                        |
|------------------------|------------------------|
| Temperature Range      | -30°C to +70°C (Fixed) |
| Minimum Bending Radius | 7,5 x outer diameter   |
| Flame Retardant        | IEC 60332-1-2          |

## ELECTRICAL SPECIFICATION

| Conductor cross-section    | nom. | mm <sup>2</sup> | 0,5       | 0,75 | 1    | 1,5  | 2,5  |
|----------------------------|------|-----------------|-----------|------|------|------|------|
| Conductor resistance       | max. | Ω/km            | 39        | 26   | 19,5 | 13,3 | 7,98 |
| Insulation resistance test | min. | MΩxkm           | 20        |      |      |      |      |
| Test voltage               |      | V               | 2000      |      |      |      |      |
| Operating Voltage          |      | V               | 300/500 V |      |      |      |      |



## LIYCY-TP

| CROSS SECTION   | O. DIAMETER $\pm$ (%5) | G      |
|-----------------|------------------------|--------|
| mm <sup>2</sup> | mm                     | Kg/Km  |
| 2X2X0,50        | 7,50                   | 63,55  |
| 3X2X0,50        | 7,90                   | 79,33  |
| 4X2X0,50        | 8,60                   | 96,88  |
| 5X2X0,50        | 9,70                   | 120,30 |
| 6X2X0,50        | 10,50                  | 138,84 |
| 8X2X0,50        | 11,70                  | 173,66 |
| 12X2X0,50       | 14,30                  | 261,05 |
| 2X2X0,75        | 8,10                   | 77,09  |
| 3X2X0,75        | 8,60                   | 98,54  |
| 4X2X0,75        | 9,60                   | 126,44 |
| 6X2X0,75        | 11,40                  | 174,75 |
| 8X2X0,75        | 12,90                  | 221,36 |
| 12X2X0,75       | 15,70                  | 332,73 |
| 2X2X1           | 8,80                   | 90,57  |
| 3X2X1           | 9,30                   | 116,72 |
| 4X2X1           | 10,40                  | 150,33 |
| 5X2X1           | 11,50                  | 180,48 |
| 6X2X1           | 12,40                  | 209,48 |
| 8X2X1           | 14,60                  | 287,67 |
| 12X2X1          | 17,00                  | 399,66 |
| 2X2X1,5         | 9,60                   | 116,26 |
| 3X2X1,5         | 10,20                  | 152,17 |
| 4X2X1,5         | 11,20                  | 190,45 |
| 6X2X1,5         | 13,40                  | 268,53 |
| 8X2X1,5         | 15,70                  | 366,50 |
| 12X2X1,5        | 18,50                  | 523,65 |
| 2X2X2,5         | 12,5                   | 200    |
| 3X2X2,5         | 13,3                   | 281    |
| 4X2X2,5         | 14,7                   | 315    |
| 5X2X2,5         | 16,5                   | 391    |
| 6X2X2,5         | 18,0                   | 461    |
| 7X2X2,5         | 19,1                   | 514    |
| 8X2X2,5         | 19,8                   | 674    |
| 10X2X2,5        | 22,8                   | 723    |
| 12X2X2,5        | 23,3                   | 836    |
| 14X2X2,5        | 24,9                   | 958    |
| 16X2X2,5        | 26,6                   | 1098   |
| 18X2X2,5        | 28,5                   | 1235   |
| 20X2X2,5        | 30,2                   | 1362   |