

# LSOH ISDN cable J-2Y(St)H St III Bd



**Application:** Halogen-free and flame-retardant ISDN-system cable, for connection of telecommunication and IT-components up to 16 Mbit/s (cat. 3). For installation indoors, in and under plaster, in dry and wet rooms.

Cross-talk: > 30 dB (@ 5-10 MHz)  
Attenuation: < 6,5 dB/100 m (@ 10 MHz)

## Construction and technical data:

|  |                                |
|--|--------------------------------|
| <b>Conductor material:</b>                           | copper, bare                   |
| <b>Conductor construction:</b>                       | Class 1 = solid                |
| <b>Insulation:</b>                                   | polyethylene                   |
| <b>Stranding:</b>                                    | bunched star-quads             |
| <b>Screen:</b>                                       | Foil                           |
| <b>Drain wire:</b>                                   | yes                            |
| <b>Sheathing material:</b>                           | FRNC-compound HM2              |
| <b>Colour of outer sheath:</b>                       | grey                           |
| <b>Flame-retardant:</b>                              | VDE 0482-332-1-2/IEC 60332-1-2 |
| <b>Smoke density:</b>                                | DIN EN 61034/IEC 61034         |
| <b>Permitted outer cable temperature, fixed, °C:</b> | -5 - +50 °C                    |
| <b>Impedance:</b>                                    | 100 Ohm                        |
| <b>Insulation resistance:</b>                        | 5000 MOhm $\times$ km          |
| <b>Transfer impedance:</b>                           | 200 Ohm/km                     |



*The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.*

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**Maximum operating capacity:**

45 nF/km

**Core identification:**

colours + rings

**peak operating voltage, V:**

300 V

| part no. | part name | DI [mm] | Ø [mm] | Cu  | G [kg] |
|----------|-----------|---------|--------|-----|--------|
| 100454   | 02X2X0.6  | 0.6     | 4.9    | 13  | 42     |
| 100390   | 04X2X0.6  | 0.6     | 6.9    | 25  | 60     |
| 100471   | 06X2X0.6  | 0.6     | 7      | 35  | 85     |
| 100470   | 10X2X0.6  | 0.6     | 9.2    | 58  | 115    |
| 100521   | 20X2X0.6  | 0.6     | 12     | 116 | 217    |
| 100536   | 30X2X0.6  | 0.6     | 14.5   | 172 | 300    |
| 100522   | 50X2X0.6  | 0.6     | 18.2   | 286 | 434    |
| 100538   | 80X2X0.6  | 0.6     | 22.1   | 455 | 680    |
| 100520   | 100X2X0.6 | 0.6     | 24.7   | 568 | 861    |

|    |                        |
|----|------------------------|
| DI | diameter conductor     |
| Ø  | outer diameter approx. |
| Cu | Copper weight (GER)    |
| G  | net weight per 1000    |