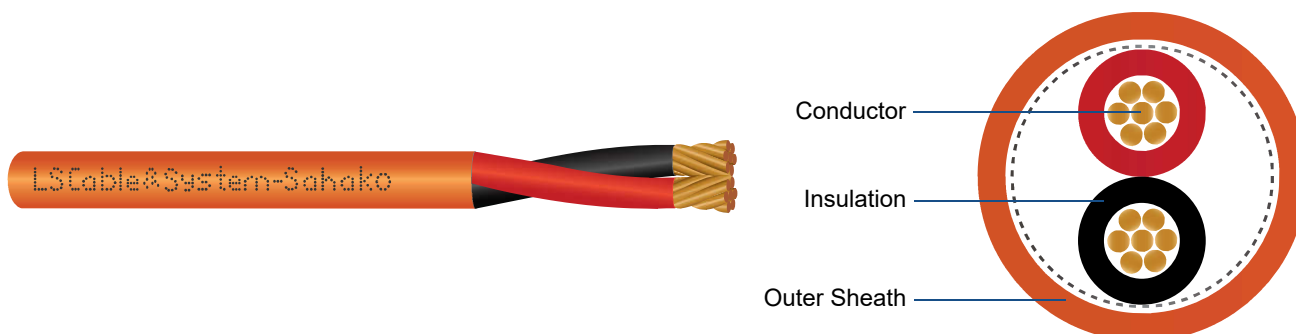


# UNSHIELDED FLAME RETARDANT DATA CABLE



## Description

- Multipair twisted cable
- Low level of line attenuations and low mutual capacitances enable long transmission distances
- Packaged on Wooden Reel
- ISO 9001 : 2015, ISO 14001 : 2015 and RoHS compliant

## Application

- Internal wiring of electronic equipment, transmission measurement and control signals with minimum noise.
- Industrial, Data, Interconnect
- BMS, Public Address systems
- Optimized for Fire Alarm system
- *This product is not permitted for use in power applications.*

## Technical Data

|                                                       |                                                        |
|-------------------------------------------------------|--------------------------------------------------------|
| Application standard                                  | BS EN 50288-7:2005                                     |
| Temperature range                                     | -20° C to +90° C                                       |
| Operating peak Voltage<br>(not for power application) | 300/ 500 V<br>600/1000 V (option available on request) |
| Test voltage                                          | 2000 V                                                 |
| Minimum bending radius                                | Fixed 7.5 x cable Ø                                    |
| Insulation resistance                                 | > 5000 MΩxkm                                           |
| Mutual capacitance                                    | C/C: < 100 pF/m<br>C/S: < 200 pF/m                     |
| Inductance                                            | < 0.3 mH/km                                            |
| Impedance                                             | 60 Ω                                                   |

## Cable Structure

- **Conductor:** Bare copper conductor, multiple wired according to IEC 60228 (Class 2/ Class 5) or ASTM (B 3/ B 33).
- **Core Insulation:** PVC (acc. to EN 50290-2-21) or PE (acc. to EN 50290-2-23) or XLPE (acc. to EN 50290-2-29) or LSZH (acc. to EN 50290-2-27). *Cores are twisted together in pairs.*
- **Outer sheath:** FR-PVC (acc. to EN 50290-2-22) or LSZH (acc. to EN 50290-2-27). Orange color.

# UNSHIELDED FLAME RETARDANT DATA CABLE

## Tests

- Flame retardant according to IEC 60332-1-2
- Flame test on bunched wires according to IEC 60332-3-24 (Cat. C)
- Flame test on bunched wires according to IEC 60332-3-22 (Cat. A)
- Corrosiveness of combustion gases according to IEC 60754-2
- Smoke density according to IEC 61034-1
- Halogen-free according to IEC 60754-1
- Oil resistant according to IEC 60811-404
- Suitable for usage in explosive atmospheres acc. to IEC 60079-14 sec. 16.2.2

## Part Number

| LS - UFRT - X - Y Z - A B - #                                                                    |                                                                                                                                                                                 |                                                                                  |                                                                                                                             |                                                              |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| <b>X - Core</b><br>02 : 02 cores<br>04 : 04 cores<br>06 : 06 cores<br>... : ...<br>50 : 50 cores | <b>Y - Conductor Size</b><br>050 : 0.50 mm <sup>2</sup><br>075 : 0.75 mm <sup>2</sup><br>100 : 1.00 mm <sup>2</sup><br>150 : 1.50 mm <sup>2</sup><br>250 : 2.50 mm <sup>2</sup> | <b>Z - Type Conductor</b><br>Blank : Class 2<br>S : Class 5<br>T : Tinned Copper | <b>A - Insulation</b><br>V : PVC<br>E : PE<br>X : XLPE<br>Z : LSZH<br><br><b>B - Outer Sheath</b><br>F : FR-PVC<br>Z : LSZH | <b># - Peak Voltage</b><br>Blank : 300/500V<br>H : 600/1000V |