## Technical attributes

| | |
|---|---|
| Conductor material | Cu, bare |
| Conductor type | conductors blanc |
| Conductor category | 1 |
| Core insulation | halogen-free Foam/Skin-material |
| Outer sheath | FRNC |
| material consumption | in dry and damp rooms |
| Temperature range min., mobile operation | 0 °C |
| Temperature range max., mobile operation | +50 °C |
| Operating temperature at conductor | -20 bis +60 °C |
| Minimum bending radius mobile operation | operating in 35mm (over flat side) |
| minimum bending radius during installation | 50mm (over flat side) |
| Velocity of propagation | to > 10 MHz (NVP*c) 0,74c |
| printing | #metre marking# S-STP CAT.6 300MHz LS0H 4x2xAWG23 ISO/IEC 11801 EN 50173 wwyy(week/year) +Charge |
| most resistance contrast | 2 % |
| Impedance | at 1 to 100 MHz: 100 Ω ± 15% |
| Insulation resistance | >5000 MΩ x km |
| Screening | foil-type screens |
| category | 6 |
| RoHS-compliant | |

## Description

The S-FTP 300/24 cable is rated for applications up to 300MHz and complies with its transmission characteristics in Category 5 specifications ISO / IEC 11801 (2002) and EN 50173 (2002). These cables are low skew products. The signal delay differences between the individual pairs is very low. This is increasingly e.g. required for Gigabit Ethernet. Likewise, the slim design and light weight are emphasized. The pairs are stranded with a foil screen (FTP), and also surrounded by a braided shield (S-FTP), which ensures excellent screening characteristics. This exceeds the requirement to comply with the Cable Class B emission to EN 55022, as well as immunity according to EN 55024, which allows the realization of electromagnetic compatibility standards-compliant networks.

## Note

specified to 300 MHz, excellent electrical properties twisted pairs with foil shielded (FTP) complete screening of tinned copper wire braid low propagation delay differences between the pairs (low skew) halogen-free version LS0H (Low Smoke Zero Halogen) flame retardant according to IEC 60332-1 and EN50265-2 -1 is not corrosive and smoke to IEC 61034 orange sheath, similar to (RAL2003)

## Product table

| product number | product name | category | Weight ca. [kg] | Cu-weight [kg_km] | Outer-Ø ca. [mm] | | couples | Outer sheath colour | halogen-free |
|---|---|---|---|---|---|---|---|---|---|
| 02202001 | J-02YS(ST)CY 4 x 2 x 0,51 gy | 6 | 55,00 | 29,00 | 6,40 | AWG 24 | 4 | grey | no |
| 02202003 | J-02YS(ST)CH 4 | 6 | 55,00 | 29,00 | 6,40 | AWG 24 | 4 | orange | yes |

| product number | product name | category | Weight ca. [kg] | Cu-weight [kg_km] | Outer-Ø ca. [mm] | | couples | Outer sheath colour | halogen-free |
|---|---|---|---|---|---|---|---|---|---|
| | x 2 x 0,51 og | | | | | | | | |
| 02202004 | J-02YS(ST)CH 4 x 2 x 0,51 rd | 6 | 55,00 | 29,00 | 6,40 | AWG 24 | 4 | red | yes |
| 02202005 | J-02Y(ST)CH 4 x 2 x AWG 26 | 6 | 37,00 | 20,00 | 6,00 | AWG 26 | 4 | yes | orange |
| 02202006 | J-02Y(ST)CY 4 x 2 x AWG 26 | 6 | 37,00 | 20,00 | 6,00 | AWG 26 | 4 | no | grey |
| 02202007 | J-02Y(ST)CH 4 x 2 x AWG 26 gy | 6 | 37,00 | 20,00 | 6,00 | AWG 26 | 4 | grey | yes |