

#2245 - S-FTP Cat 7 LSZH (900 MHz), 500m reel

Part NO: #2245
Product Code: S-FTP Cat 7 LSZH (900 MHz)

Product Description

Application:
 Horizontal Wiring in LAN

Reference Standard

Multi-construction
 4 Pair

Cable Construction

Conductor **Solid Bare Copper**
 Construction 0.58±0.01
 Standard Dia.(mm) 0.58
Insulation **Skin-Foam-Skin**
 Average Thickness 0.4
 Insulation Dia.(mm) 1.38±0.1×2C Twist
 Each Pair is Twisted ,Unshielded.

Al-Pet shield(on each pair,Al outward) ≥115%

Braiding Shield
 Construction 0.12±0.008×8×6

Jacket **LSZH**
 Thickness(mm) 0.8
 Dia.(mm) 7.8±0.25
 Jacket Color Grey

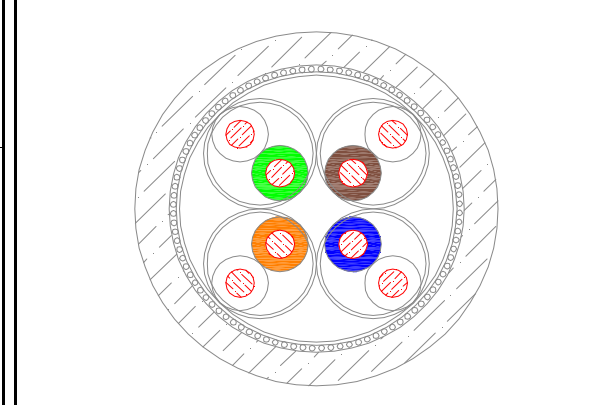
Color
Insulation color are:
 Blue, White
 Orange, White
 Green, White
 Brown, White

Marking
 Category 7 #2245 S-FTP 23 AWG 4 Pair 70C LSZH [MeterMark]

PACKAGING
 500M/Wooden Drum

| RoHS GUIDELINE | | | |
|---|-----------|-----------------|-------------------|
| We operate according to the following standards | | | |
| Control Item | Standard | Testing Method | Testing Equipment |
| Cadmium content (Cd) | <0.01% | EN1122 | ICP-AES |
| Lead content (Pb) | <0.1% | EPA3050B | ICP-AES |
| Mercury content (Hg) | <0.1% | EPA3052 | ICP-AES |
| Chromium (VI) content | <0.1% | EPA3060(UN-VIS) | ICP-AES |
| Polybrominated Biphenyls(PBB) | Forbidden | GC/MS | |
| Polybrominated Diphenyl Ether (PBDE) | Forbidden | GC/MC | |

Design



Characteristics

| | |
|--|---|
| Max.Conductor DC Resistance at 20°C (Ω/Km) | <76.1 |
| Rated Temperature(°C) | 70 |
| Velocity ratio | 78% |
| Impedance(Ω) | 1-100MHz 100±15 100-250MHz 100±20 250-500MHz 100±25 500-1000MHz 100±30 |

Performance

| Frequency (MHz) | Attenuation (dB/100m) | NEXT (dB/100m) | PSNEXT (dB/100m) | ELFEXT (dB/100m) |
|-----------------|-----------------------|----------------|------------------|------------------|
| | Max. | Min. | Min. | Min. |
| 1.00 | 2.01 | 78.00 | 75.00 | 78.00 |
| 4.00 | 3.74 | 78.00 | 75.00 | 78.00 |
| 10.00 | 5.86 | 78.00 | 75.00 | 78.00 |
| 16.00 | 7.41 | 78.00 | 75.00 | 71.22 |
| 31.25 | 10.41 | 78.00 | 75.00 | 65.40 |
| 62.50 | 14.88 | 75.46 | 72.46 | 59.38 |
| 100.00 | 19.02 | 72.40 | 69.40 | 55.30 |
| 250.00 | 30.97 | 66.43 | 63.43 | 47.34 |
| 500.00 | 45.26 | 61.92 | 58.92 | 41.32 |
| 600.00 | 50.10 | 60.73 | 57.73 | 39.74 |
| 900.00 | 63.01 | 58.09 | 55.09 | 36.22 |

Frequency PSELFEXT Return loss

| Frequency (MHz) | PSELFEXT (dB/100m) | Return loss (dB/100m) |
|-----------------|--------------------|-----------------------|
| | Min. | Min. |
| 1.00 | 75.00 | 20.00 |
| 4.00 | 75.00 | 23.01 |
| 10.00 | 75.00 | 25.00 |
| 16.00 | 68.22 | 25.00 |
| 31.25 | 62.40 | 23.64 |
| 62.50 | 56.38 | 21.54 |
| 100.00 | 52.30 | 20.11 |
| 250.00 | 44.34 | 17.32 |
| 500.00 | 38.32 | 17.30 |
| 600.00 | 36.74 | 17.30 |
| 900.00 | 33.22 | 13.43 |