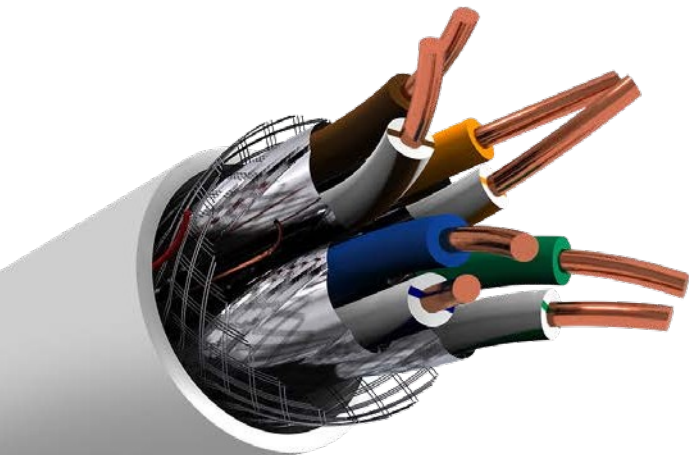


Cable S/Ftp Ideal Cat-6a Lszh-B2ca (500m)



PRODUCT DESCRIPTION

• Standard Reference:

ISO/IEC 11801:2011
IEC 61156-5:2012
EN 13501-6
EN 50173-1:2011
EN 50173-2:2007 including amendment A1:2010
EN 50288-9-1:2012
EN 50288-4
EN 50575:2014+A1:2016
EN 50399:2011+A1:2016
EN 60332-1[1,2], 60332-3C, 60754-[1,2], 61034-[1,2]
ANSI/TIA-568-6-2:2009

• Rated temperature: 90°C

• Installation temperature:

-30°C~+50°C

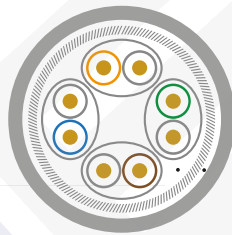
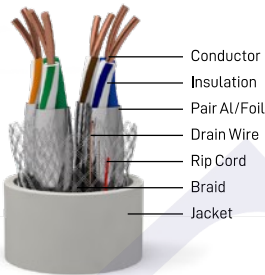
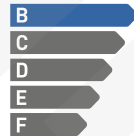
• Rohs/REACH complied

• DoP N°: 2658-CPR-5015_FAM098_02

• Application:

VoIP, ISDN
Token, 100M TP-PDM
Analog and Data Video
TR-16 Active and Passive
115M/662m/1.2GATM
IEEE802.3: 100Base, 100Base-T,
1GBase-T, 10GBase-T

CRP Class:



TECHNICAL PERFORMANCE (100m)

| Frequency (MHz) | RL(dB) min. | Attenuation (dB/100m) max. | NEXT (dB/100m) | DELAY (dB) |
|-----------------|------------------|----------------------------|--------------------|------------------|
| 4.0 | 23.0 | 3.7 | 65.27 | 40.00 |
| 8.0 | 24.5 | 5.2 | 60.75 | 40.00 |
| 10.0 | 26.8 | 5.9 | 59.30 | 40.00 |
| 16.0 | 25.0 | 7.4 | 56.24 | 37.96 |
| 20.0 | 25.0 | 8.3 | 54.78 | 36.99 |
| 31.5 | 23.6 | 10.5 | 51.88 | 35.05 |
| 62.5 | 21.5 | 14.9 | 47.36 | 32.04 |
| 100 | 20.1 | 19.0 | 44.30 | 30.00 |
| 200 | 18.0 | 27.5 | 38.30 | / |
| 300 | 16.8 | 34.2 | 37.10 | / |
| 500 | 15.2 | 45.3 | 33.80 | / |
| Frequency (MHz) | ELFEXT (dB/100m) | PSNEXT (dB/100m) | PSELFEXT (dB/100m) | Impedance (Ohms) |
| 4 | 55.76 | 63.27 | 52.76 | 100±15 |
| 8 | 49.74 | 58.75 | 46.74 | |
| 10 | 47.80 | 57.30 | 44.80 | |
| 16 | 43.72 | 54.24 | 40.72 | |
| 20 | 41.78 | 52.78 | 38.78 | |
| 31.5 | 37.90 | 49.88 | 34.90 | |
| 62.5 | 31.88 | 45.36 | 28.88 | |
| 100 | 27.80 | 42.30 | 24.80 | |
| 200 | 21.80 | 37.80 | 18.80 | |
| 300 | 18.30 | 35.10 | 15.30 | |
| 500 | 13.80 | 31.80 | 10.80 | |

CABLE CONSTRUCTION

| | | |
|---|------------------------|-----------------------------|
| Conductor | Material | SOLID Bare Copper |
| | Nom.O.D (mm) | 0.560 ± 0.005mm . 23AWG |
| Insulation | Material | HPDE |
| Insulation Diam. ø | | 133 ± 0.05mm |
| Thickness | | AVG: 0.295mm MIN: 0.29mm |
| Twisted pair (4) Over Shielded AL Foil | AL Foil | Yes |
| | Drain Wire | 0.45 TCU |
| | Overall Braid | TCU |
| Jacket LSZH-RoHS | Thickness | AVG: 0.55 ± 0.05mm |
| | Outer Diam. ø | 7.8 ± 0.5mm |
| | Jacket Color (standar) | White: RAL 9016 ○ |
| Code Color | 1 White/Blue | 2 White/Orange |
| | 3 White/Green | 4 White/Brown |
| Packing | 1 Wooden Drum | |
| Dimension - Weight | 50x50x27cm - 54Kg/Km | |
| Packing Length | 500 ± 1.0m | |

CHARACTERISTICS

| | |
|--|-------|
| Max. Conductor DC Resistance at 20°C (Ω/Km) | <93.8 |
| Rated Temperature (°C) | 75 |
| Rated Voltage (V) | 300V |
| Velocity Ratio | 65% |

Ideal Technology has a policy of continuous improvement. Specifications are subject to change without notice.