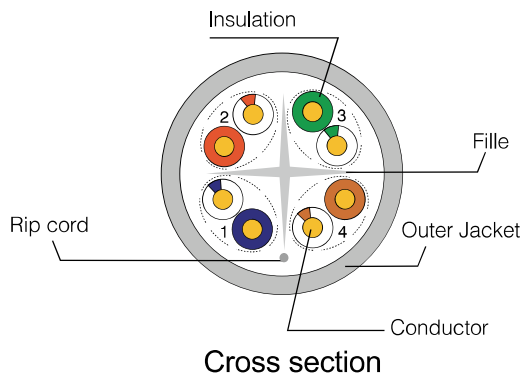


PRODUCT SCHEMATIC DIAGRAM



| | |
|-------------------------------|--|
| LSZH Sheath | IEC 60754-2, IEC 61034-2, IEC 60332-1-2, EN 50575, EN 50399, Reaction to fire B2ca |
| Applicable Standards | ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50173-2, EN 50288-10-1 |
| Conductor Type and Size | Bare copper wire 23 AWG |
| Insulation | Polyethylene |
| Wire Diameter with Insulation | 1.05±0.05 mm |
| Cable Diameter | 6.50±0.30 mm (LSZH) |
| Weight | 47 kg/km (LSZH) |
| Colour | RAL 2008 (LSZH) |
| NVP | 74 % |
| Propagation delay | 570 ns/100 m |
| Delay skew | ≤45 ns/100 m |
| Storage/Operation Temperature | -30 to 75 °C (LSZH, LSZHFR), |
| Installation Temperature | 0 to +50 °C |

PRODUCT SCHEMATIC DIAGRAM



COMPLIANCE WITH THE REQUIREMENTS

- ANSI/TIA 568-C.2
- EN 50173-1:2002
- ISO/IEC 11801:2002
- IEC 60332-1-2:2004+A1:2015
- IEC 61156-5
- IEC 60754-2:2011
- EN50399:2011+A1:2016
- IEC 61034-2:2005+A1:2013
- EN50575:2014+A1:2016

APPLICATION

- PBX, V.11, X.21, ISDN
- Fast Ethernet (100BASE-TX)
- Gigabit Ethernet (1000BASE-T)
- (10GBASE-T), ATMLAN 1,2 Gbit/s
- 10Gigabit Ethernet
- ATM-25/52/155 Mbit/s
- Token Ring 16/100 Mbit/s
- 100VG-AnyLAN
- Firewire 100 Mbit/s
- Ethernet (1Base-T)

| Part No. | Description |
|--|---|
| ■ 7931119B | Installation Cable Category 6A 23AWG U/UTP SOL CABLE LSZH 500M B2ca |

CATEGORY 6A INSTALLATION CABLES TRANSMISSION CHARACTERISTICS (AT 20°C)

| f (MHz) | Attenuation (dB/100m) | NEXT (dB) | PSNEXT (dB) | Prop. Delay (ns/100m) | ACR-F (dB/100m) | PSACR-F (dB/100m) | Return Loss (dB) |
|------------|--------------------------|--------------|----------------|--------------------------|--------------------|----------------------|---------------------|
| 1 | 2,1 | 74,3 | 72,3 | 570 | 67,8 | 64,8 | 20,0 |
| 4 | 3,8 | 65,3 | 63,3 | 552 | 55,8 | 52,8 | 23,0 |
| 8 | 5,3 | 60,8 | 58,8 | 547 | 49,7 | 46,7 | 24,5 |
| 10 | 5,9 | 59,3 | 57,3 | 545 | 47,8 | 44,8 | 25,0 |
| 16 | 7,5 | 56,2 | 54,2 | 543 | 43,7 | 40,7 | 25,0 |
| 20 | 8,4 | 54,8 | 52,8 | 542 | 41,8 | 38,8 | 25,0 |
| 25 | 9,4 | 53,3 | 51,3 | 541 | 39,8 | 36,8 | 24,3 |
| 31,25 | 10,5 | 51,9 | 49,9 | 540 | 37,9 | 34,9 | 23,6 |
| 62,5 | 15 | 47,4 | 45,4 | 539 | 31,9 | 28,9 | 21,5 |
| 100 | 19,1 | 44,3 | 42,3 | 538 | 27,8 | 24,8 | 20,1 |
| 200 | 27,6 | 39,8 | 37,8 | 537 | 21,8 | 18,8 | 18,0 |
| 250 | 31,1 | 38,3 | 36,3 | 536 | 19,8 | 16,8 | 17,3 |
| 300 | 34,3 | 37,1 | 35,1 | 536 | 18,3 | 15,3 | 16,8 |
| 400 | 40,1 | 35,3 | 33,3 | 536 | 15,8 | 12,8 | 15,9 |
| 500 | 45,3 | 33,8 | 31,8 | 536 | 13,8 | 10,8 | 15,2 |



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