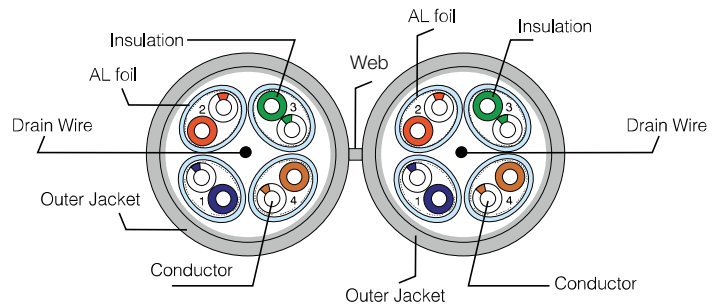


OPTRO NET CAT 6A 23WAG U/FTP DUPLEX SOL CABLE – 10G / 500 MHZ

PRODUCT SCHEMATIC DIAGRAM



PRODUCT SCHEMATIC DIAGRAM



Cross section



| | |
|-------------------------------|--|
| LSZH FR Sheath | IEC 60754-2, IEC 61034-2, IEC 60332-1-2, EN 50575, EN 50399, Reaction to fire B2ca Cca |
| LSZH Sheath | IEC 60754-2, IEC 61034-2, IEC 60332-1-2, Reaction to fire Dca Eca |
| 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 | Foamed Polyethylene |
| Wire Diameter with Insulation | 1.38±0.05 mm |
| Cable Diameter | (7.5±0.3) * (15.5±0.5) mm (LSZH FR) |
| Weight | 108.7 kg/km (LSZH FR) |
| Colour | RAL 2008 (LSZH) |
| NVP | 74 % |
| Propagation delay | 570 ns/100 m |
| Delay skew | ≤45 ns/100 m |
| Storage/Operation Temperature | -30 to 90 ° C (LSZH, LSZHFR), |
| Installation Temperature | 0 to +50 ° C |

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 |
|-------------|--|
| 7935044B-DX | Installation Cable Category 6A 23AWG U/FTP SOL CABLE LSZH 500M B2ca DUPLEX |

OPTRO NET CAT 6A 23WAG U/FTP DUPLEX SOL CABLE – 10G / 500 MHZ

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, 2 |
| 31, 25 | 10, 5 | 51, 9 | 49, 9 | 540 | 37, 9 | 34, 9 | 23, 3 |
| 62, 5 | 15 | 47, 4 | 45, 4 | 539 | 31, 9 | 28, 9 | 20, 7 |
| 100 | 19, 1 | 44, 3 | 42, 3 | 538 | 27, 8 | 24, 8 | 19 |
| 200 | 27, 6 | 39, 8 | 37, 8 | 537 | 21, 8 | 18, 8 | 16, 4 |
| 250 | 31, 1 | 38, 3 | 36, 3 | 536 | 19, 8 | 16, 8 | 15, 6 |
| 300 | 34, 3 | 37, 1 | 35, 1 | 536 | 18, 3 | 15, 3 | 14, 9 |
| 400 | 40, 1 | 35, 3 | 33, 3 | 536 | 15, 8 | 12, 8 | 13, 8 |
| 500 | 45, 3 | 33, 8 | 31, 8 | 536 | 13, 8 | 10, 8 | 13 |



7935044B-DX

