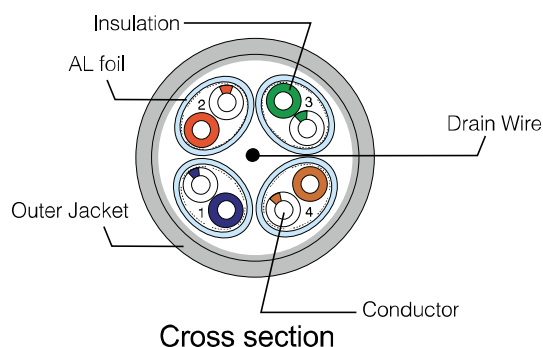


OPTRO NET CAT 6A 23WAG U/FTP SOL CABLE – 10G / 500 MHZ

PRODUCT SCHEMATIC DIAGRAM



PRODUCT SCHEMATIC DIAGRAM



LSZH FR Sheath IEC 60754-2, IEC 61034-2, IEC 60332-1-2, EN 50575, EN 50399, Reaction to fire B2ca s1a d1 a1

LSZH Sheath IEC 60754-2, IEC 61034-2, IEC 60332-1-2, Reaction to fire Dca IEC 60754-2, IEC 61034-2, IEC 60332-1-2, Reaction to fire Eca

PE Sheath Fca

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 1.30±0.05 mm

Cable Diameter 7.2±0.2 mm (LSZH FR)
7.3±0.2 mm (LSZH)
7.2±0.2 mm (PE)

Weight 55 kg/km (LSZH FR)
53 kg/km (LSZH)
51 kg/km (PE)

Colour RAL 2007 (LSZH)
RAL 4005 (LSZH)
RAL 9005 (PE)

NVP 74 %

Propagation delay 570 ns/100 m
Delay skew ≤45 ns/100 m

Storage/Operation Temperature -30 to 90 °C (LSZH, LSZHFR),
-20 to 75 °C (PVC)
-30 to 60 °C (PE)

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 | Installation Cable Category 6A 23AWG U/FTP SOL CABLE LSZH 500M B2ca s1a d1 a1 |
| 7935044D | Installation Cable Category 6A 23AWG U/FTP SOL CABLE LSZH 500M Dca |
| 7935044PE | Installation Cable Category 6A 23AWG U/FTP SOL CABLE PE 500M Fca |
| 7935044 | Installation Cable Category 6A 23AWG U/FTP SOL CABLE LSZH 305M Eca |
| 7935044/500 | Installation Cable Category 6A 23AWG U/FTP SOL CABLE LSZH 500M Eca |

OPTRO NET CAT 6A 23WAG U/FTP 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



7935044

7935044D



7935044PE



7935044/500

