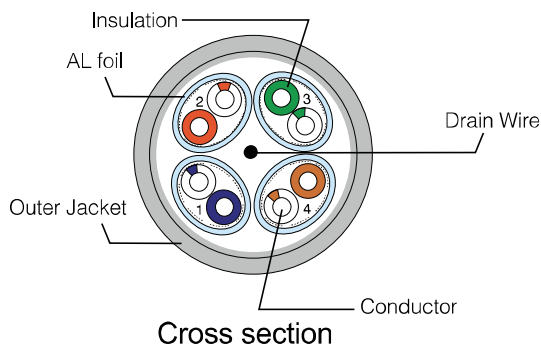


# OPTRO NET CAT 6A 23WAG U/FTP SOL CABLE – 10G / 500 MHZ

## PRODUCT SCHEMATIC DIAGRAM



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**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

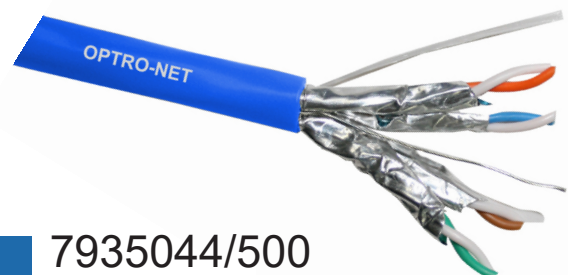


7935044

7935044D



7935044PE



7935044/500

