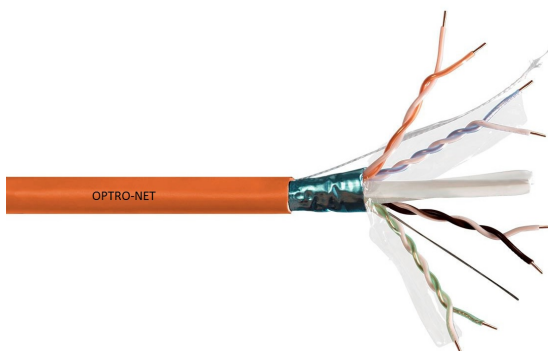


## PRODUCT SCHEMATIC DIAGRAM



**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±0.02 mm

**Cable Diameter** 7.5±0.2 mm (LSZH)  
7.6±0.2 mm (PVC)  
7.4±0.2 mm (PE)

**Weight** 40 kg/km (LSZH)  
41 kg/km (PVC)  
37 kg/km (PE)

**Colour** RAL 4005 (LSZH)  
RAL 7004 (PVC)  
RAL 9005 (PE)

**NVP** 70 %

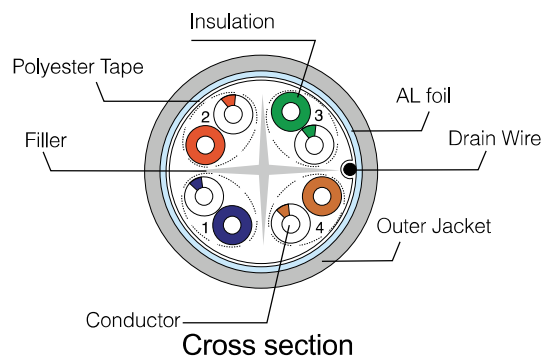
**Propagation delay** 570 ns/100 m

**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

## PRODUCT SCHEMATIC DIAGRAM



**1 Gbps**      **250 MHz**      **FORCE**

## 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

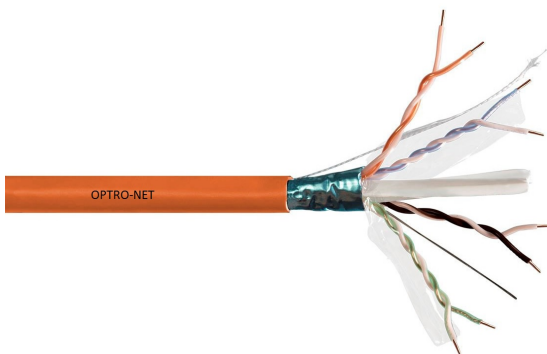
## APPLICATION

- PBX, V.11, X.21, ISDN
- Fast Ethernet (100BASE-TX)
- Gigabit Ethernet (1000BASE-T)
- (1GBASE-T), ATMLAN 1,2 Gbit/s
- 1 Gigabit 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
7932024B	Installation Cable Category 6 23AWG F/UTP SOL CABLE LSZH 500M B2ca

## Category 6 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	2,0	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	546,7	49,7	46,7	24,5
10	6,0	59,3	57,3	545,4	47,8	44,8	25,0
16	7,6	56,2	54,2	543	43,7	40,7	25,0
20	8,5	54,8	52,8	542	41,8	38,8	25,0
25	9,5	53,3	51,3	541,2	39,8	36,8	24,2
31,25	10,7	51,9	49,9	540,4	37,9	34,9	23,3
62,5	15,4	47,4	45,4	538,6	31,9	28,9	20,7
100	19,8	44,3	42,3	537,6	27,8	24,8	19
200	29,0	39,8	37,8	536,5	21,8	18,8	16,4
250	32,8	38,3	36,3	536,3	19,8	16,8	15,6



7932024B

