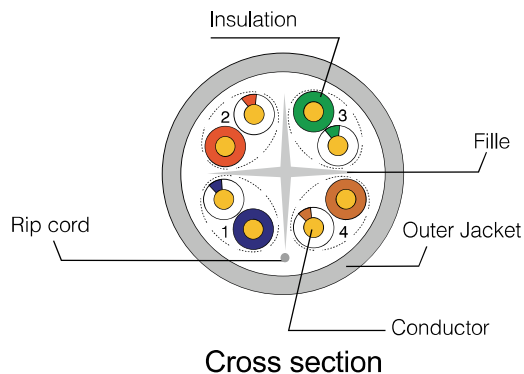


PRODUCT SCHEMATIC DIAGRAM



LSZH Sheath	IEC 60754-2, IEC 61034-2, IEC 60332-1-2, EN 50575, EN 50399, Reaction to fire Dca
PVC Sheath	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	Polyethylene
Wire Diameter with Insulation	0.96±0.02 mm
Cable Diameter	5.8±0.2 mm (LSZH) 5.9±0.2 mm (PVC) 5.7±0.2 mm (PE)
Weight	35 kg/km (LSZH) 36 kg/km (PVC) 32 kg/km (PE)
Colour	RAL 4005 (LSZH) RAL 7004 (PVC) RAL 9005 (PE)
NVP	69 %
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



Cross section

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
■ 7999076D	Installation Cable Category 6 23AWG U/UTP SOL CABLE LSZH 305M Dca
■ 7999061 ■ 7999061/500	Installation Cable Category 6 23AWG U/UTP SOL CABLE PVC 305M/500M Eca
■ 7999075	Installation Cable Category 6 Outdoor 23AWG U/UTP SOL CABLE PE 500M Fca

OPTRO NET CAT 6 23WAG U/UTP SOL CABLE – 1G / 250 MHZ

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



7999076D



7999061/305/500



7999075

