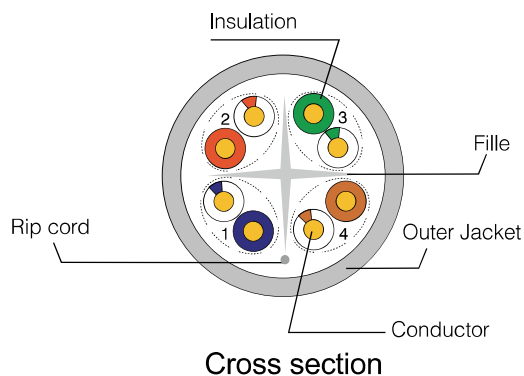


## PRODUCT SCHEMATIC DIAGRAM



LSZH Sheath	IEC 60754-2, IEC 61034-2, IEC 60332-1-2, EN 50575, EN 50399, Reaction to fire 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	Polyethylene
Wire Diameter with Insulation	0.98±0.05 mm
Cable Diameter	6.10±0.30 mm (LSZH)
Weight	38 kg/km (LSZH)
Colour	RAL 4005 (LSZH)
NVP	69 %
Propagation delay	570 ns/100 m
Delay skew	≤45 ns/100 m
Storage/Operation Temperature	-30 to 75 °C (LSZH)
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
■ 7999076E	Installation Cable Category 6 23AWG U/UTP SOL CABLE LSZH 500M Eca

# 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	24,3
31,25	10,7	51,9	49,9	540,4	37,9	34,9	23,6
62,5	15,4	47,4	45,4	538,6	31,9	28,9	21,5
100	19,8	44,3	42,3	537,6	27,8	24,8	20,1
200	29,0	39,8	37,8	536,5	21,8	18,8	18,0
250	32,8	38,3	36,3	536,3	19,8	16,8	17,3



7999076E

