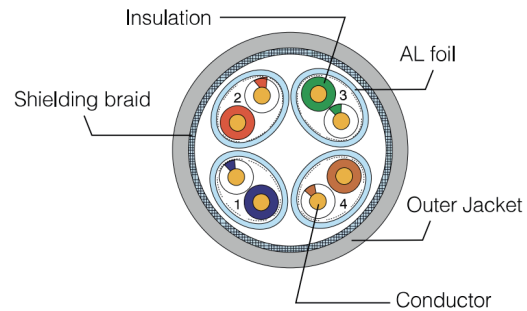


## PRODUCT SCHEMATIC DIAGRAM



## PRODUCT SCHEMATIC DIAGRAM



Cross section



10 Gbps
600 MHz
FORCE

LSZH Sheath	IEC 60754-2, IEC 61034-2, IEC 60332-1-2, EN 50575, EN 50399, Dca
Applicable Standards	ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50173-2, EN 50288-10-1
Conductor Type and Size	Stranded bare wire 23AWG
Insulation	Polyethylene
Wire Diameter with Insulation	1.38 ±0.05mm
Cable Diameter	7.5±0.30 mm(LSZH FR)
Weight	53 kg/km(LSZH)
Colour	RAL 4005(LSZH)
NVP	76 %
Propagation delay	570 ns/100m
Delay skew	≤25 ns/100m
Storage/Operation Temperature	-30 to 90 °C(LSZH)
Installation Temperature	0 to +50 °C

## COMPLIANCE WITH THE REQUIREMENTS

- ANDI/TIA 568-C.2
  - ISO/IEC 11801:2002
  - IEC 61156-5
  - EN50399:2011+ A1:2016
  - EN50575:2014+ A1:2016
- EN 50173-1:2002
  - IEC 60332-1-2:2004+ A1:2015
  - IEC 60754-2:2011
  - IEC 61034-2:2005+ A1:2013

## APPLICATION

- PBX, V.11, X.21, ISDN
- Fast Ethernet (100BASE-TX)
- Gigabit Ethernet (1000BASE-T)
- (10G BASE-T), ATM LAN 1.2Gbit/s
- 1 Gigabit Ethernet
- ATM-25/52/155 Mbit/s
- Token Ring 16/100 Mbit/s
- 100VG-Any LAN
- Firewire 100 Mbit/s
- Ethernet (1BASE-T)

Part No.	Description
■ C7SFTPZHVTD	Installation Cable Category 7 23AWG S/FTP SOL CABLE LSZH 500M Dca

# OPTRO NET CAT 7 23AWG S/FTP SOL CABLE – 10G/600MHZ

## CATEGORY 7 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	—	78,0	75,0	—	78,0	75,0	—
4	3,7	78,0	75,0	552	78,0	75,0	23,0
8	5,2	78,0	75,0	547	75,9	72,9	24,5
10	5,9	78,0	75,0	545	74,0	71,0	25,0
16	7,4	78,0	75,0	543	69,9	66,9	25,0
20	8,3	78,0	75,0	542,	68,0	65,0	25,0
25	9,3	78,0	75,0	541	66,0	63,0	24,3
31,25	10,4	78,0	75,0	540	64,1	61,1	23,6
62,5	14,9	75,5	72,5	539	58,1	55,1	21,5
100	19,0	72,4	69,4	538	54,0	51,0	20,1
200	27,5	67,9	64,9	537	48,0	45,0	18,0
250	31,0	66,4	63,4	536	46,0	43,0	17,3
300	34,2	65,2	62,2	536	44,5	41,5	17,3
400	40	63,4	60,4	536	42,0	39,0	17,3
500	45,3	61,9	58,9	536	40,0	37,0	17,3
600	50,1	60,7	57,7	535	38,4	35,4	17,3



### C7SFTPZHVTD

