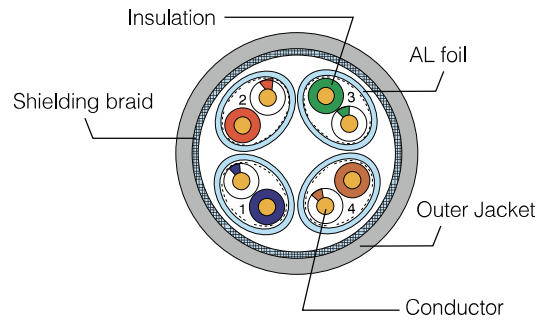


PRODUCT SCHEMATIC DIAGRAM



LSZH FR Sheath	IEC 60754-2, IEC 61034-2, IEC 60332-1-2, EN 50575, EN 50399
LSZH Sheath	IEC 60754-2, IEC 61034-2, IEC 60332-1-2, 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	Foamed Polyethylene
Wire Diameter with Insulation	1.41 ± 0.05 mm
Cable Diameter	8.0 ± 0.3 mm (LSZH FR)
Weight	57.1 kg/km (LSZH)
Colour	RAL 2003 (LSZH)
NVP	74 %
Propagation delay	570 ns/100 m
Delay skew	≤ 25 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

10 Gbps

1000 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)
- (10GBASE-T), ATMLAN 1,2 Gbit/s
- 10 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

■ C7ASFTPZHORB

Installation CableCategory7A 23AWG S/FTP SOL CABLEL SZH 500M B2ca

OPTRO NET CAT 7A 23WAG S/FTP SOL CABLE – 10G /1000 MHZ

CATEGORY 7A 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	—	67,8	64,8	—
4	3,7	78,0	75,0	552	55,8	52,8	23,0
8	5,2	78,0	75,0	547	49,7	46,7	24,5
10	5,9	78,0	75,0	545	47,8	44,8	25,0
16	7,4	78,0	75,0	543	43,7	40,7	25,0
20	8,3	78,0	75,0	542,	41,8	38,8	25,0
25	9,3	78,0	75,0	541	39,8	36,8	24,3
31,25	10,4	78,0	75,0	540	37,9	34,9	23,6
62,5	14,9	75,5	72,5	539	31,9	28,9	21,5
100	19,0	72,4	69,4	538	27,8	24,8	20,1
200	27,5	67,9	64,9	537	21,8	18,8	18,0
250	31,0	66,4	63,4	536	19,8	16,8	17,3
300	34,2	65,2	62,2	536	18,3	15,3	17,3
400	40	63,4	60,4	536	15,8	12,8	17,3
500	45,3	61,9	58,9	536	13,8	10,8	17,3
600	50,1	60,7	57,7	535	10,3	8,3	17,3
700	50,1	60,7	59,7	535	10,3	8,3	17,3
800	50,1	60,7	58,9	535	10,3	8,3	17,3
1000	50,1	60,7	57,4	535	10,3	8,3	17,3



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