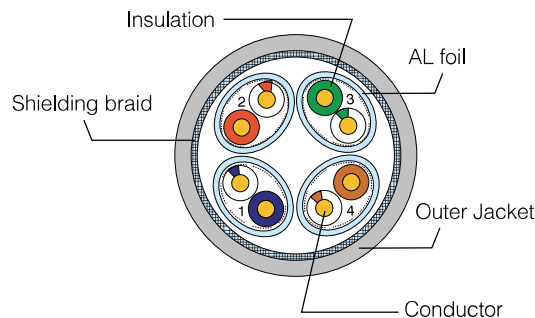


PRODUCT SCHEMATIC DIAGRAM



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 Dca
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	1.34±0.02 mm
Cable Diameter	7.5±0.3 mm (LSZH FR) 7.5±0.3 mm (LSZH)
Weight	59 kg/km (LSZH)
Colour	RAL 4005 (LSZH)
NVP	76 %
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



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
■ 7935014D	Installation Cable Category 7 23AWG S/FTP SOL CABLE LSZH 500M Dca

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

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	—	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



7935014D

