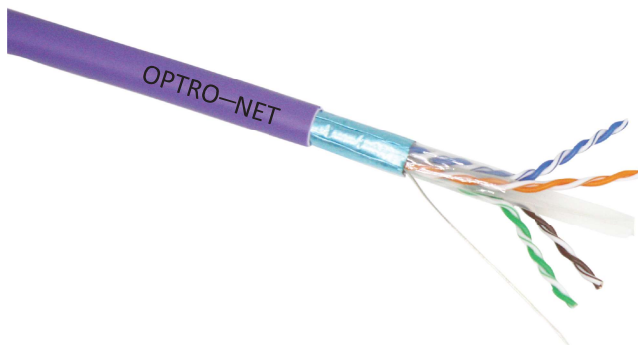
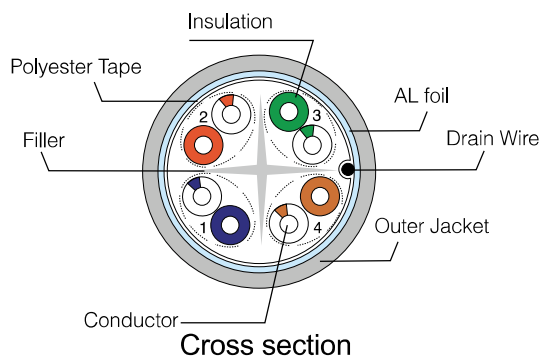


PRODUCT SCHEMATIC DIAGRAM



PRODUCT SCHEMATIC DIAGRAM



1 Gbps

250 MHZ

FORCE

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	1.05±0.02 mm
Cable Diameter	7.5±0.2 mm (LSZH) 7.6±0.2 mm (PVC) 7.4±0.2 mm (PE)
Weight	40 kg/km (LSZH) 41 kg/km (PVC) 37 kg/km (PE)
Colour	RAL 4005 (LSZH) RAL 7004 (PVC) RAL 9005 (PE)
NVP	70 %
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

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

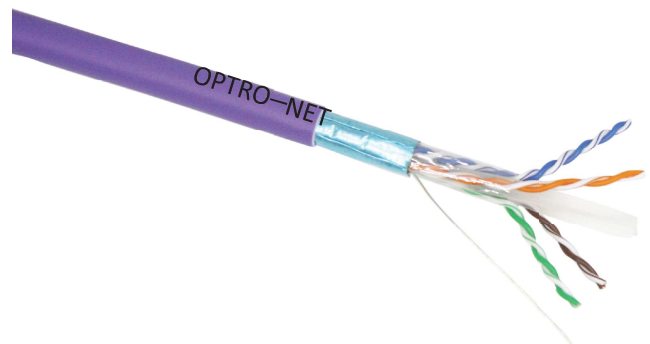
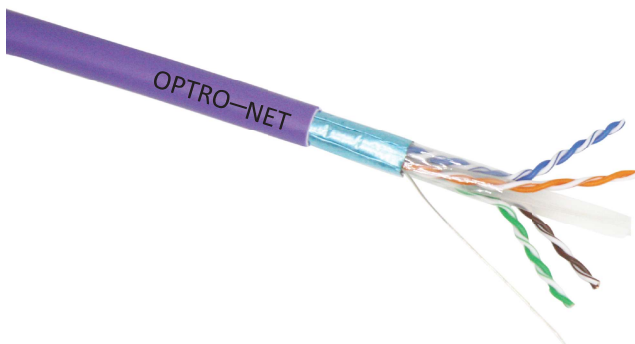
APPLICATION

- 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
■ 7932024D/305	Installation Cable Category 6 23AWG F/UTP SOL CABLE LSZH 305M Dca
■ 7932024D	Installation Cable Category 6 23AWG F/UTP SOL CABLE LSZH 500M Dca
■ 7932024	Installation Cable Category 6 23AWG F/UTP SOL CABLE LSZH 500M Eca
■ 7932020	Installation Cable Category 6 23AWG F/UTP SOL CABLE PVC 500M Eca
■ 7934018	Installation Cable Category 6 Outdoor 23AWG F/UTP SOL CABLE PE 305M Fca

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



7932024D/305 7932024D

7932024



7932020

7934018

