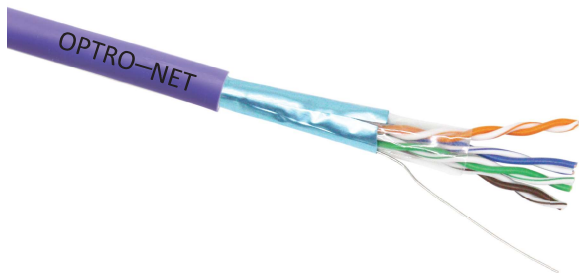
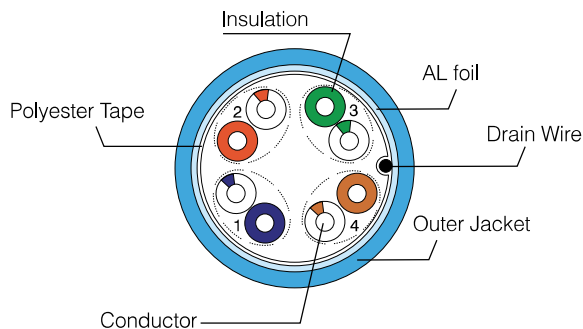


PRODUCT SCHEMATIC DIAGRAM



PRODUCT SCHEMATIC DIAGRAM



Cross section



LSZH Sheath IEC 60754-2, IEC 61034-2, IEC 60332-1-2, EN 50575, EN 50399, Reaction to fire Dca

IEC 60332-1-2, EN 50575, Reaction to fire Eca

PVC Sheath IEC 60332-1-2, EN 50575, Reaction to fire Eca

PE Sheath EN 50575, Reaction to fire 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 24 AWG

Insulation Polyethylene

Wire Diameter with Insulation 0.96±0.02 mm

Cable Diameter 5.8±0.2 mm (LSZH)
5.9±0.2 mm (PVC)
5.7±0.2mm (PE)

Weight 35 kg/km (LSZH)
36 kg/km (PVC)
32 kg/km (PE)

Colour RAL 4005 (LSZH)
RAL 7004 (PVC)
RAL 9005 (PE)

NVP 69 %

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

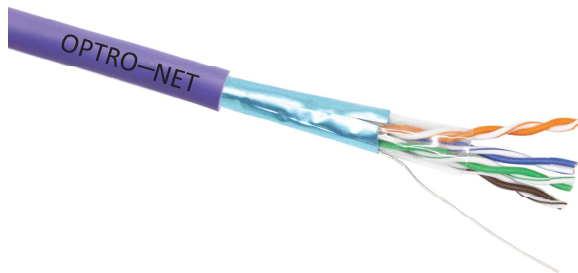
APPLICATION

- 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)

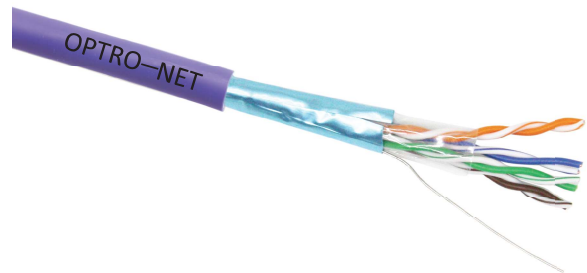
Part No.	Description
■ 49354D	Installation Cable Category 5E 24AWG F/UTP SOL CABLE LSZH 305M Dca
■ 49354	Installation Cable Category 5E 24AWG F/UTP SOL CABLE LSZH 305M Eca
■ 49354/500	Installation Cable Category 5E 24AWG F/UTP SOL CABLE LSZH 500M Eca
■ 49352 ■ 49352/500	Installation Cable Category 5E 24AWG F/UTP SOL CABLE PVC 305M/500M Eca
■ 49330	Installation Cable Category 5E Outdoor 24AWG F/UTP SOL CABLE PE 305M Fca
■ 49330/500	Installation Cable Category 5E Outdoor 24AWG F/UTP SOL CABLE PE 500M Fca

CATEGORY 5E INSTALLATION CABLES TRANSMISSION CHARACTERISTICS (AT 20°C)

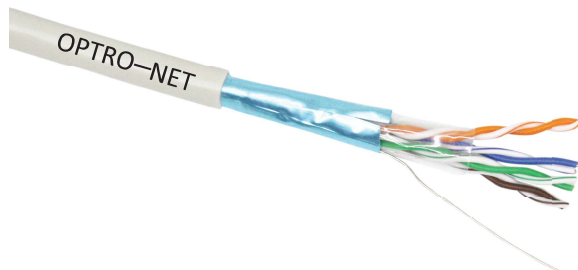
f (MHz)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	Prop. Delay (ns/100m)	ACR-F (dB/100m)	PSACR-F (dB/100m)	Return Loss (dB)
1	2,0	65,3	62,3	570	63,8	60,8	20,0
4	4,1	56,3	55,3	552	51,8	48,8	23,0
8	5,8	51,8	48,8	547	45,7	42,7	24,5
10	6,5	50,3	47,3	545	43,8	40,8	25,0
16	8,2	47,2	44,2	543	39,7	36,7	25,0
20	9,3	45,8	42,8	542	37,8	34,8	25,0
25	10,4	44,3	41,3	541	35,8	32,8	24,2
31,25	11,7	42,9	39,9	540	33,9	30,9	23,3
62,5	17,0	38,4	35,4	539	27,9	24,9	20,7
100	22,0	35,3	32,3	538	23,8	20,8	19



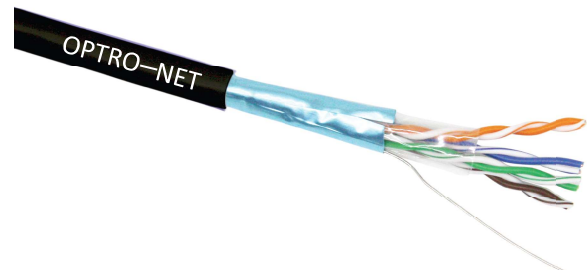
49354D



49354



49352 49352/500



49330 49330/500

