



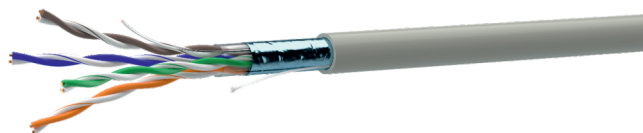
LYNX Cat5E FTP cable REELEX AIR

solid wire, PVC, Eca, grey, 305 m

LYNX-SLD-FTP5E-RLX-GR

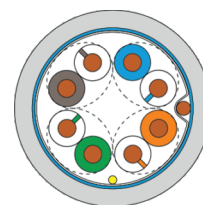
DESIGN

1	Conductor: copper wire Ø 0,50 mm
2	Insulation: HDPE, Ø 1,01 mm
3	Pair: two conductors twisted together
4	Core wrapping
5	Aluminum contact wire Ø 0,5 mm
6	Core shield: aluminum polymer foil (metal outside)
7	Jacket: PVC, thickness 0,5 mm, nominal cable Ø 5,7 mm



Color identification of pairs:

- pair 1: white-blue / blue
- pair 2: white-orange / orange
- pair 3: white-green / green
- pair 4: white-brown / brown



APPLICATION

PBX, V.11, X.21, ISDN, Ethernet (10Base-T), ATM-25/52/155 Mbit/s, 100VG-AnyLAN, Token Ring 16/100 Mbit/s
 Fast Ethernet (100BASE-TX), Gigabit Ethernet (1000BASE-T), 2,5 Gbit/s Ethernet (2.5GBASE-T) with a channel length of 100 meters
 PoE, PoE+

INSTALLATION AND OPERATION CONDITIONS

For stationary installation inside buildings, stations, structures and equipment in conditions of high electromagnetic impacts. Operated on frequencies up to 100 MHz

box - 305 m.

patented pull-box technology - REELEX AIR

MECHANICAL CHARACTERISTICS

Temperature range:

During installation -10 °C ... +60 °C

After installation -20 °C ... +60 °C

Bending radius:

During installation ≥ 8 cable diameters

After installation ≥ 4 cable diameters

Tensile stress:

≤ 85 N

COMPLIANCE WITH THE REQUIREMENTS

Cabling	ISO/IEC 11801-1
Cable	IEC 61156-5 (up to 80 m), IEC 61156-6 (work area cable)
CPR euro-class	Eca

ELECTRICAL CHARACTERISTICS AT 20 °C

Parameter	Unit	Value
Capacitance	pF/m	≤ 56
Direct current resistance	Ohm/100 m	≤ 9,5
Insulation resistance	GOhm/km	≥ 5
Resistance unbalance	%	2
Signal propagation velocity	s	0,68
Propagation delay	ns/100 m	≤ 534+36/√f
Delay shift on the frequency 100 MHz	ns/100 m	≤ 30
Characteristic impedance in the frequency range of: 1-250 MHz	Ohm	100±15
Test voltage between cores, (DC, 2 s)	kV	2,5

TRANSMISSION CHARACTERISTICS AT 20 °C (100 M)

Frequency, MHz	1	4	10	16	20	31,25	62,5	100	250
Attenuation, dB, max	2,1	3,8	6	7,6	8,5	10,8	15,5	19,9	33
NEXT, dB, min	75,3	66,3	60,3	57,3	55,8	52,8	48,3	45,3	39,3
PS NEXT, dB, min	72,3	63,3	57,3	54,3	52,8	49,8	45,3	42,3	36,3
ELFEXT, dB, min	68	56	48	44	42	38	32	28	20
PS ELFEXT, dB, min	65	53	45	41	39	35	29	25	17
RL, dB, min	20,0	23,0	25,0	25,0	25,0	23,6	21,5	20,1	17,3

IEC 61156-5, values lower than 4 MHz are given for information only