



LYNX Cat5E FTP outdoor cable REELEX AIR

solid wire, PE, Fca, black, 305m

LYNX-SLD-FTP5E-RLX-OUT-BK

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: PET tape
5	Drain wire: aluminum contact wire Ø 0,5 mm
6	Core shield: aluminum polymer foil
7	Jacket: PE, thickness 0,6 mm, nominal cable Ø 5,9 mm



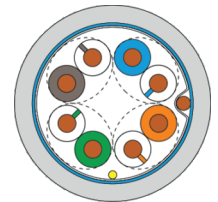
Color identification of pairs:

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 outside installation 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 ≥ 10 cable diameters

After installation ≥ 4 cable diameters

Tensile stress:

≤ 85 N

COMPLIANCE WITH THE REQUIREMENTS

Cabling	ISO/IEC 11801-1, EN 50173-1
Cable	IEC 61156-5
CPR euroclass	Fca

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	%	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
Attenuation, dB, max	2,1	4,1	6,5	8,3	9,3	11,7	17,0	22,0
NEXT, dB, min	65,3	56,2	50,3	47,2	45,7	42,8	38,3	35,3
PS NEXT, dB, min	62,3	53,2	47,3	44,2	42,7	39,8	35,3	32,3
ELFEXT, dB, min	64	51,9	44	39,9	37,9	34,1	28	24
PS ELFEXT, dB, min	61	48,9	41	36,9	34,9	31,1	25	21
RL, dB, min	20	23	25	25	25	23,6	21,5	20,1

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