

ELECTRICAL DATA

1. Attenuation

Frequency (MHz)	Maximum individual (dB/km) Conductor diameter (mm)	
	0.4	0.5
1	31.5	26
4		56
10		98
16		131

2. Near-end crosstalk (NEXT)

Frequency (MHz)	Minimum individual (dB)
1	41
4	32
10	26
16	23

3. Characteristic impedance (values at 1-6 MHz)

Cable type	Nominal (ohm)	Tolerance (ohm)
Indoor installation cable	110	±10
Indoor cable with screen	90	±10

4. Conductor resistance

Conductor diameter (mm)	Maximum average (ohm/km)	Maximum individual (ohm/km)	Unbalance (%)
0.4	143.9	149.9	4
0.5	92.1	95.9	2

5. Dielectric strength and insulation resistance

Voltage test:

conductor-conductor: 2000 V DC for 3 sec.

conductor-screen: 6000 V DC for 3 sec.

Insulation resistance: ≥5000 Mohm km

6. *Mutual capacitance*

Cable type	Maximum average (nF/km)	Maximum individual (nF/km)
Indoor installation cable	45±3	52
Indoor cable with screen	60±4	65

7. *Capacitance unbalance (values at 1 kHz)*

	Maximum individual (pF/km)	80% values per cable (pF/km)
Pair-pair, 2 pairs	800	
Pair-pair, 4 and 5 pairs	300	
Pair-pair, ≥10 pairs	150	
Pair-earth	3000	1200