



DATA SHEET		2170053
UNITRONIC® LAN Typ 1 outdoor 2 x 2 x 0,64 mm$\varnothing$ IBM Part Nr. 4716734		valid from : 14.01.2000

Application

Balanced pair cable for Token Ring to. Standard ISO 8802/5 and ANSI / IEEE 802.5, impedance 150 ohms, cable for structured wiring systems (IBM cabling system). The individual screening of the pairs and the double overall screening recommend the cable for installations in electromagnetically demanding areas

The cable is intended for static laying outdoor.

Design

Conductor	solid bare copper wire, 0,64 mm diameter
Insulation	cellular PE, 2,4 mm diameter
Twisting	cores twisted to pairs, diameter of the pairs 5,0 mm
Pair screening	pairs individually screened by Mylar foil
Core	2 screened pairs parallel arranged
Colour code	pair 1 red and green pair 2 orange and black
Overall screen	- braid of tinned copper-wires, coverage approx. 70 % - PE laminated aluminium tape
Sheath	PE, black, outer diameter: approx. 14 mm x 11,0 mm (oval)

Electrical properties at 20° C

DC resistance (loop)		max. Ω /km	120
Insulation resistance		min. G Ω /km	10
Mutual capacitance at	800 Hz	nom. nF/km	29,5
Impedance at	9,6 kHz	Ω	270 $\pm$ 10 %
	38,4 kHz	Ω	185 $\pm$ 10 %
	$\geq$ 3 MHz	Ω	150 $\pm$ 10 %
Attenuation	9,6 kHz	max. dB/km	3
	38,4 kHz	max. dB/km	5
	4 MHz	max. dB/km	22
	16 MHz	max. dB/km	45
Near End Cross-talk (NEXT)	9,6 kHz	min. dB	80
	38,4 kHz	min. dB	75
	4 MHz	min. dB	58
	16 MHz	min. dB	40
Nominal velocity of propagation			0,78 c

Mechanical and thermal characteristics

Permissible temperature range	°C	- 45 bis + 70
Tensile stress	max. N	250
Bending radius	min. mm	50
Weight	ca. kg/km	126

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