

## CAT 5e IN AND OUTDOOR 100 OHM HORIZONTAL CABLE

art. nr 06-8395

### Description

100 ohm unshielded twisted pair cable. Used for horizontal wiring in LAN's and other structured wiring systems. Tested up to 250 MHz for high speed transmission applications as GigaBit Ethernet.

### Electrical values according to

EN 50173  
TIA/EIA 568-A  
ISO/IEC 11801  
ANSI/TIA/EIA-568A-5



### Fire rating

IEC 332-1  
IEC 754-2  
IEC 1034-2

### Design

Conductor: 0,55 mm solid bare copper  
Insulation: Polyolefin  
Lay up: 4 twisted pairs  
Tape: WB tape  
Jacket: PE

Diameter: 6,4 mm  
Weight: 40 kg/km  
Cu weight: 17 kg/km  
Colour: Black

### Electrical characteristics at 20° C

	Attenuation	NEXT (dB)	PSNEXT (dB)	ELFEXT	PSELFEXT (dB)	RL (dB)
Frequency	Nom	Nom	Nom	Nom	Nom	Nom
1,0	1,9	76,0	73,0	82,0	79,0	27,0
4,0	3,6	68,0	65,0	70,0	67,0	30,0
10,0	5,7	62,0	59,0	62,0	59,0	32,0
20,0	8,2	57,5	54,5	56,0	53,0	32,0
31,25	10,3	54,6	51,6	52,1	49,1	30,6
62,5	14,9	50,1	47,1	46,1	43,1	28,5
100	19,2	47,0	44,0	42,0	39,0	27,1
155	24,5	45,5	42,5	38,2	35,2	25,8
200	28,3	43,7	40,7	36,0	33,0	25,0
250	32,1	42,3	39,3	34,0	31,0	24,3
300	35,6	41,0	38,0	32,7	29,7	24,3

Characteristic impedance: 100 ohm  
Mean impedance: 100 ohm +/-5 ohm @ 100 MHz  
Velocity of propagation: 0,67  
Min. bending radius: 8xOD - During installation  
4xOD - Installed

Dielectric strength DC: 750 V  
Capacitance: 50 pF/m

Version: 2.1