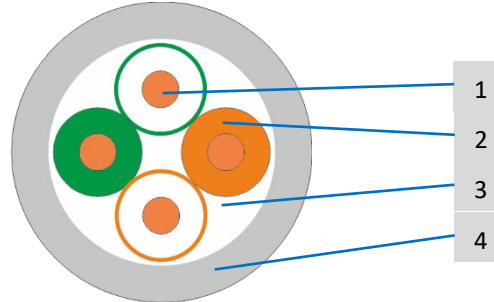


CAT.5E U/UTP 2PR 24/1 AWG PVC INDOOR



DESIGN

- 1) Conductor: soft copper wire \varnothing 0,51 mm (24AWG)
- 2) Insulation: HDPE, \varnothing 0,89 mm
- 3) Pair: two conductors twisted together
Color identification of pairs:
pair 1: white-orange / orange
pair 2: white-green / green
- 4) Jacket: PVC, thickness 0,5 mm, nominal cable \varnothing 4,348 mm



APPLICATION

PBX, V.11, X.21, ISDN, Ethernet (10Base-T), ATM-25/52/155 Mbit/s, 100VG-AnyLAN, Fast Ethernet (100BASE-TX), Token Ring 16/100 Mbit/s

INSTALLATION AND OPERATION CONDITIONS

For outdoor installation in telephone ducts, collectors, mines, on the walls of buildings in conditions of heightened electro-magnetic impacts.
Operated on frequencies up to 250 MHz

COMPLIANCE WITH THE REQUIREMENTS

Cabling: ISO/IEC 11801-1, EN 50173-1, ANSI/TIA-568-C.2
Cable: IEC 61156-2

MECHANICAL CHARACTERISTICS

Temperature range: During installation -10 °C ... +60 °C
After installation -20 °C ... +60 °C
Bending radius: During installation \geq 8 cable diameters
After installation \geq 4 cable diameters
Tensile stress \leq 85 N

ELECTRICAL CHARACTERISTICS AT 20 °C

Parameter	Unit	Value
Capacitance	pF/m	\leq 56
Direct current resistance	Ohm/km	\leq 95
Insulation resistance	GOhm/km	\geq 5
Resistance unbalance	%	2
Signal propagation velocity	s	0,68
Propagation delay	ns/100 m	\leq 534+36/ \sqrt{f}
Delay shift on the frequency 100 MHz	ns/100 m	\leq 30
Characteristic impedance in the frequency range of: 1-100 MHz	Ohm	100 \pm 15
Test voltage between cores, (DC, 2 s)	kV	2,5

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	56,3	50,3	47,2	45,8	42,9	38,4	35,3
ELFEXT, dB, min	64	52	44	40	38	34	28	24
RL, dB, min	20,0	23,0	25,0	25,0	25,0	23,3	20,7	19,0

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

ORDER INFORMATION

P/N	Cable name	Jacket	Standard packing	Weight, kg/km
7931059	KPV-VP (100) 2*2*0,51 (U/UTP-cat.5E)	PVC	Cardboard box 305/500 m	18,269