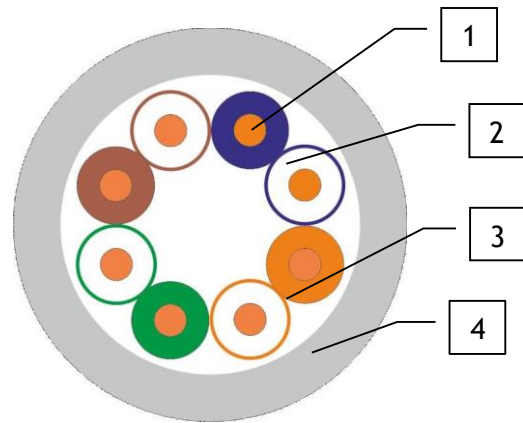


DESIGN

- 1) Core: Solid annealed copper Ø0,51 mm (±0,005 mm)
 - 2) Insulation: PE, Ø 0,92 mm
 - 3) Pair: two conductors twisted together
- Color identification of pairs:
 pair 1: white-blue / blue
 pair 2: white-orange / orange
 pair 3: white-green / green
 pair 4: white-brown / brown
- 4) Jacket: PVC, nominal cable Ø 4,9 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, Gigabit Ethernet (1000BASE-T), Firewire 100 Mbit/s, ATM LAN 1,2 Gbit/s

COMPLIANCE WITH THE REQUIREMENTS

ISO/IEC 11801, EN 50173-1, ANSI/TIA 568-C.2, IEC 61156-5, IEC 60332-1

MECHANICAL CHARACTERISTICS

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

ELECTRICAL CHARACTERISTICS AT 20 °C

Parameter	Unit	Value
Capacitance	pF/m	≤ 56
Direct current resistance	Ohm/km	≤ 95
Insulation resistance	GOhm/km	≥ 5
Resistance unbalance	%	2
Signal propagation velocity	s	0,69
Characteristic impedance in the frequency range of: 1-100 MHz	Ohm	100±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	2,5	4,9	7,8	9,9	11,1	14,1	20,4	26,4
NEXT, dB, min	65,3	56,3	50,3	47,2	45,8	42,9	38,4	35,3
PS NEXT, dB, min	62,3	53,3	47,3	44,2	42,8	39,9	35,4	32,3
ELFEXT, dB, min	64	52	44	40	38	34	28	24
PS ELFEXT, dB, min	61	49	41	37	35	31	25	21
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 type	Packing	Weight, kg/km
49252	KPV-VP (350) 4x2x0,51 (UTP-cat.5E)	box, 305 m	30,4