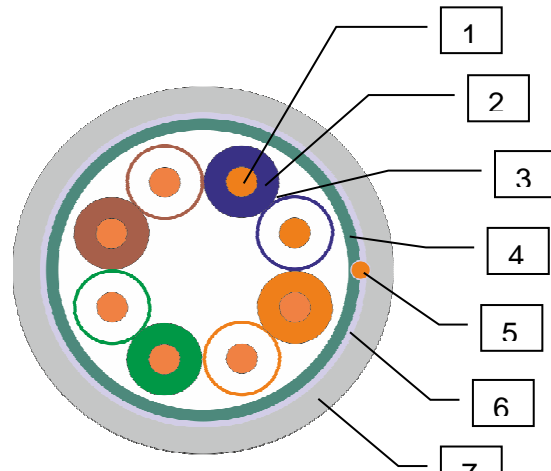


DESIGN

- 1) Conductor: soft copper wire, Ø 0,51 mm (±0,005 mm)
- 2) Insulation: PE, Ø 1,03 mm
- 3) Pair: two conductors twisted together
- 4) Core wrapping
- 5) Copper tinned contact wire Ø 0,4 mm
- 6) Core shield: aluminum polymer foil (metal inside)
- 7) Sheath: PVC, nominal cable diameter: 5,8 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

INSTALLATION AND OPERATION CONDITIONS

For stationary installation inside buildings, stations, structures and equipment in conditions of heightened electromagnetic impacts. Operated on frequencies up to 100 MHz.

COMPLIANCE WITH THE REQUIREMENTS

ISO/IEC 11801:2002, EN 50173-1:2002, 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	0,65
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	2,1	4,1	6,5	8,3	9,3	11,7	17,0	22,0
NEXT, dB, min	65,3	56,2	50,3	47,2	45,7	42,8	38,3	35,3
PS NEXT, dB, min	62,3	53,2	47,3	44,2	42,7	39,8	35,3	32,3
ELFEXT, dB, min	64	51,9	44	39,9	37,9	34,1	28	24
PS ELFEXT, dB, min	61	48,9	41	36,9	34,9	31,1	25	21
RL, dB, min	20	23	25	25	25	23,6	21,5	20,1

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

ORDER INFORMATION

P/N	Cable type	Packing	Weight, kg/km
49352	KPVE-VP (200) 4x2x0,51 (FTP-cat.5E)	box, 305 m	39,9