

# 0.196mm<sup>2</sup> 4P UTP LAN Cable



## Technical data

### Mechanical Characteristics:

Operating Temperature Rang: -15 °C --60 °C

Tested Temperature: 20 °C

Min. Insulation:  $\geq 5000M \Omega \cdot km$

### Electrical Characteristics

Max. Conductor DC Resistance:

@20°C:  $\leq 145 \Omega / km$

Tested Voltage: 1.5KV50Hz1min No Break

## Cable structure

### Conductor:

Number of Pairs: Refer Table Below

Conductor Material: Single CCA

Nominal Conductor Area: 0.196mm<sup>2</sup>

No. of Strand/Strand Size: 1/0.50mm

### Insulation:

Insulation Material: PE

Insulation Size: 0.90mm

Nominal Insulation Thickness: 0.25mm

### Rip Wire:

### OUTER JACKET:

Outer Jacket Material: PE (UV proof)

Overall Nominal Diameter: See Table

## Properties

The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Pairs	NOM. OVERALL DIAMETER (MM)	CABLE WEIGHT (kg/km)	COLORS	JACKET COLOR	AWG-NO.
4P	5.2	13.5	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown	Black	24

## DATA:

Frequency	Impedance	RL	ATT	NEXT	ELFEXT	PSFEXT	PSELFEXT	SKM	NVP
Mhz	ohm	$\geq$ db/100m	$\geq$ db/100m	$\geq$ db/100m	$\geq$ db/100m	$\geq$ db/100m	$\geq$ db/100m	$\leq$ ns/100m	
1	100 ± 15	20.0	2.04	65.3	63.8	62.3	60.8	$\leq 45$	66%
4		23.0	4.1	56.3	51.7	53.3	48.7		
10		25.0	6.5	50.3	43.8	47.3	40.8		
16		25.0	8.2	47.3	39.7	44.3	36.7		
20		25.0	9.3	44.5	37.7	42.8	34.7		
31.25		23.6	11.6	42.9	33.9	39.9	30.9		
62.5		21.5	17.0	38.4	27.8	35.4	24.8		
100		20.1	22.0	35.3	23.8	32.3	20.8		