



Generic Cabling UTP Cat 6 250MHz

4x2/0.56mm PVC
4x2/0.56mm LSOH

UTP (Unscreened Twisted Pair) for use indoor as a horizontal cable in generic cabling systems. The UTP cable is supplied as a 4 pair cable. PE insulated conductors twisted in pairs. The x-separator at the center ensures Cat 6 performance throughout the life span of the product. The cable is supplied with PVC or Halogen free sheath material. All cables are approved in accordance with the most stringent test procedures. The cable is verified and complies with the following standards: EIA/TIA 568B.2-1, ISO/IEC 11801

Cable Construction

Number of pairs	Sheath Material	Conductor Dimension (mm)	Insulation Diameter (mm)	Insulation Color	Cable diameter (mm)	Weight (kg/km)
4	PVC	0.56	1.04 PE	BLUE / White-Blue ORANGE / White-Orange GREEN / White-Green BROWN / White-Brown	6.0 +/- 0.2	38
4	LSOH	0.56	1.04 PE		6.5 +/- 0.2	42

Cable Properties

Bending Minimum bending radius, installation / installed	8 x D / 4 x D	Fire classification PVC IEC 60332-1 LSOH IEC 61034, IEC 60754, IEC 60332-1
Tensile strength Maximum tensile load, installation Maximum tensile load, installed	100 N No stretch	
Temperature window Operation Installation	-20°C to +60°C 0°C to +50°C	

Electrical Data at 20°C

Frequency	Attenuation, nom. (dB/100m)	NEXT (dB)	ACR (dB)	PS NEXT (dB)	PS ACR (dB)	ELFEXT (dB)	PS ELFEXT (dB)
1.0 MHz	2.0	74.3	72.3	72.3	70.3	67.8	64.8
4.0 MHz	3.8	65.3	61.5	63.3	59.5	55.8	52.8
8.0 MHz	5.3	60.8	55.5	58.8	53.5	49.7	46.7
10.0 MHz	6.0	59.3	53.3	57.3	51.3	47.8	44.8
16.0 MHz	7.6	56.2	48.6	54.2	46.6	43.7	40.7
20.0 MHz	8.5	54.8	46.3	52.8	44.3	41.8	38.8
25.0 MHz	9.5	53.3	43.8	51.3	41.8	39.8	36.8
31.25 MHz	10.7	51.9	41.2	49.9	39.2	37.9	34.9
62.5 MHz	15.4	47.4	32.0	45.4	30.0	31.9	28.9
100 MHz	19.8	44.3	24.5	42.3	22.5	27.8	24.8
200 MHz	29.0	39.8	10.8	37.8	8.8	21.8	18.8
250 MHz	32.8	38.3	5.5	36.3	3.5	19.8	16.8
Characteristic impedance (1-100 MHz)		100 ± 15 ohm	Nominal velocity of propagation (NVP)		0,67 c		
Characteristic impedance (101-200 MHz)		100 ± 18 ohm	Mutual capacitance, nominal		49 pF/m		
Mean Characteristic impedance (1-200 MHz)		100 ± 10 ohm	Capacitance unbalance, maximum		1600 pF/km		
DC-loop resistance		141 ohm/km					
Resistance unbalance, maximum		2 %					
Propagation Delay		- nsec/km					
Skew, maximum (100MHz)		400 nsec/km					

Ordering Information

Cable code	Variant	Colour RAL no.	Delivery length	Draka Part no.	Flame Test
UTP Flame ret. 4x2/0.56 Category 6	PVC	Grey 7032	500 m	60088	IEC 332-1
UTP LSOH 4x2/0.56 Category 6	LSOH	Grey 7035	500 m	60098	IEC 332-1

We reserve the right to alter this specification without notice.



Datcom Cable Technologies