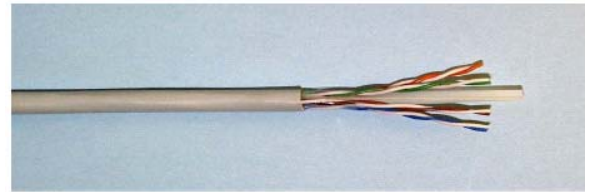




Draka

Energy & Infrastructure | Asia Pacific
Draka Comteq Singapore Pte Ltd



Generic Cabling UTP Cat 6 250MHz UC 400 23

4x2/0.5mm PVC
4x2/0.5mm PE
4x2/0.5mm LSHF



UTP (Unscreened Twisted Pair) for use indoor as 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 LSHF material for indoor installation. The PE sheath version is design for outdoor installation with added water ingress protection.

All cables are tested in accordance with the most stringent test procedures. The cables are 3P verified and complies with the following standards: EIA/TIA 568B.2-1, ISO/IEC 11801

The LSHF Version has tested and verified by 3P and DNV to IEC 60332-1, IEC 61034 and IEC 60754 safety standards

Cable Construction

Number of Pairs	Sheath Material	Conductor Dimension (mm)	Insulation Diameter (mm)	Insulation Color	Cable Diameter (mm)	Weight (kg/km)
4	PVC/LSHF	0.56	0.98 PE	BLUE / White-Blue ORANGE / White-Orange GREEN / White-Green	6.3	40.0
4	PE			BROWN / White-Brown	6.3	38.5

Cable Properties

Bending		Fire classification	
Minimum bending radius installed	4 x D	PVC	IEC 60332-1
Tensile strength		LSHF	IEC61034, IEC60754, IEC 60332-1
Maximum tensile load, installation	100 N	PE	N.A.
Maximum tensile load, installed	No stretch	Operating Voltage	
Temperature window		Nominal	30V DC
Operation	-20°C to +60°C	Maximum	72V DC
Installation	0°C to +50°C		

Electrical Data at 20°C

Frequency	Attenuation, nom. (dB/100m)	NEXT (dB)	ACR (dB)	Return Loss (dB)	PS NEXT (dB)	PS ACR (dB)	ELFLEX (dB)	PSELFLEX (dB)
1.0 MHz	2.0	74.3	65.0	20.0	72.3	70.3	67.8	64.8
4.0 MHz	3.8	65.3	54.0	23.0	63.3	59.5	55.8	52.8
8.0 MHz	5.3	60.8	45.7	24.5	58.8	53.5	49.7	46.7
10.0 MHz	6.0	59.3	45.7	25.0	57.3	51.3	47.8	44.8
16.0 MHz	7.6	56.2	40.9	25.0	54.2	46.6	43.7	40.7
20.0 MHz	8.5	54.8	38.5	25.0	52.8	44.3	41.8	38.8
25.0 MHz	9.5	53.3	38.5	24.3	51.3	41.8	39.8	36.8
31.25 MHz	10.7	51.9	33.2	23.6	49.9	39.2	37.9	34.9
62.5 MHz	15.4	47.4	23.6	21.5	45.4	30.0	31.9	28.9
100 MHz	19.8	44.3	15.7	20.1	42.3	22.5	27.8	24.8
200 MHz	29.0	39.8	10.7	18.0	37.8	8.8	21.8	18.8
250 MHz	32.8	38.3	10.7	17.3	36.3	3.5	19.8	16.8
Characteristic impedance (1-100 MHz)			100 Ω ± 15 ohm		Propagation Delay			800 nsec/km
Characteristic impedance (100-250 MHz)			100 Ω ± 22 ohm		Skew, maximum			450 nsec/km
DC-loop resistance			150 ohm/km		Nominal velocity of propagation (NVP)			0.69 c
Resistance unbalance, maximum			2 %					
Mutual capacitance			50 pF/m					
Capacitance unbalance, maximum			1600 pF/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	305m, 1000m	60088	IEC 60332-1
UTP LSHF 4x2/0.56 Category 6	LSHF	Grey 7032	305m, 1000m	60075	IEC 60332-1
UTP PE 4x2/0.56 Category 6	PE	Black	305m, 1000m	60036	N.A.