



# UTP CAT 6

## LAN Cables



Construction	
Conductor	23 AWG bare Cu
Insulation	HDPE 1.02 +/-0.1mm
Sheath	PVC gray RAL7001 Diam 6.10+/-0.20mm
Printing	ECS-UTP CAT.6 4x2x23AWG ROHS EIA/TIA 568 ISO/IEC 11801 CEI-UNEL 36762 C-4(Uo=400V) WW/YY [ORDER NR] -001m - Eca

Electrical properties	
Conductor resistance	<70,00Ω/Km at 20°C
CC Ring resistance	<16.8Ω/100m at 20°C
Mutual capacitance	<56pF/m
Standard impedance	100 ±15Ω; between 1 MHz and 100 MHz
Min bending radius	60mm
Operating temperature	-20°C +60°C

Rules	Applications
ISO/IEC 11801-2Ed	10/100BASE-T (IEEE 802.3)
ANSI TIA/EIA 568-B.2	ATM(TP),ISDN,TP-DDI
EN 50173	ETHERNET, 1000BASE-T
EN 50288-3-1	GIGABIT-ETHERNET
UL	TOKEN RING (IEEE 802.5)
EN 50575:2014/A1:16	

Frequency(MHz)	RL(dB)	ATT(dB)	Next(dB)	PS.Next(dB)	Elfext(dB)	PS.Elifext(dB)
0.772	19.44	1.84	76.00	74.00	70.00	67.00
1	20.00	2.04	74.30	72.30	67.80	64.80
4	23.01	3.81	65.30	63.30	55.80	52.80

8	24.52	5.35	60.80	58.80	49.70	46.70
10	25.00	5.99	59.30	57.30	47.80	44.80
16	25.00	7.60	56.20	54.20	43.70	40.70
20	25.00	8.52	54.80	52.80	41.80	38.80
25	24.32	9.57	53.30	51.30	39.80	36.80
31.25	23.64	10.74	51.90	49.90	37.90	34.90
62.3	21.54	15.48	47.40	45.40	31.90	28.90
100	20.10	19.92	44.30	42.30	27.80	24.80
125	19.42	22.49	42.80	40.80	25.90	22.90
200	18.00	29.15	39.80	37.80	21.80	18.80

Smart code	Item number	Section	Diameter mm.	Weight Kg/Km
LU-623	LUPVR64A23UXGRS03	4x2xAWG23	6.10 ± 0.2	50.00

} The details expressed above have to be considered as an indication.

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