



DATA CABLES



CAT 6 U / UTP LSZH

✓STUDIO ✓INSTALLATION



APPLICATION

These cables can be used to implement services such as Fast Ethernet, Ethernet, ATM networks, absolutely trouble-free. Likewise, the mechanical characteristics are perfectly suited for the application in tight cable channels and platforms due to their optimized construction. These types of data cables have low smoke density, halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Numbers x Section	4 x 2 x AWG 23
Stranded Copper Conductor	23 AWG Solid bare copper
Conductor Insulation	1,0 ± 0,05 mm ø PE
Conductor Color Code	Pair 1: Blue/White-Blue
ANSI/TIA/EIA-568 B.2	Pair 2: Orange/White-Orange
	Pair 3: Green/White-Green
	Pair 4: Brown/White/brown
Seperator	Pvc Filler
Outer Sheath	HFFR Compound
Outer Diameter	5,6 mm ø
Weight	3,7kg/100m

ELECTRICAL DATA

Conductor Resistance	< 69 ohm / km
Insulation Resistance	> 2000 MΩ x km
Capacitance	800 KHz 62 pF / m
Test voltage	800 V

MHz	Near-end crosstalk (NEXT) loss dB	Power sum near-end crosstalk (PSNEXT) loss dB	Equal-Level far-end crosstalk (ELFEXT) dB	Power sum equal-Level far-end crosstalk (PSELFEXT) dB	Return loss dB	Insertion loss dB
1.0	74,3	72,3	67,8	64,8	20	2
4.0	65,3	63,3	55,7	52,7	23	3,8
8.0	60,8	58,8	49,7	46,7	24,5	5,3
10.0	59,3	57,3	47,8	44,8	25	6
16.0	56,3	54,3	43,7	40,7	25	7,6
20.0	54,8	52,8	41,7	38,7	25	8,5
25.0	53,3	51,3	39,8	36,8	24,3	9,5
31.25	51,9	49,9	37,9	34,9	23,6	10,7
62.5	47,4	45,1	31,8	28,8	21,5	15,4
100	44,3	42,3	27,8	24,8	20,1	19,8
155	41,5	39,5	23,9	20,9	18,8	25,1
200	39,8	37,8	21,7	18,7	18	29
250	38,3	36,3	19,8	16,8	17,3	32,8

MECHANICAL DATA

Minimum bending radius	8 x D (D= outer diameter)
Temperature range	- 30° C to + 70° C

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