



MTK 65

	<i>UTP CAT. 6 PVC</i>
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Description

Datatwist cat.6 UTP cable for horizontal and building backbone .Unshielded Twisted Pair Cable,4 pairs, 23 AWG for 10 Base-T, 100 Base-T, Gigabit Ethernet.

PHYSICAL CHARACTERISTICS

Inner conductor :

Construction	4 twisted pairs
Total number of conductors	8
Conductor diameter	AWG 23 (0,58 mm)
Conductor material	Solid bare copper

Insulation

Insulation material	Solid PE
Insulation diameter	1,0 ± 0.05 mm

Outer shield

Outer shield type	-
Outer shield material	-
Coverage	-

Outer sheath

Outer sheath material	PVC
Outer sheath diameter	6,2 ± 0.3 mm

ELECTRICAL CHARACTERISTICS (at 20°C)

Nominal Characteristic Impedance 1-100 MHz	100 ± 15 Ohms
Nominal Velocity of Propagation	65%
Maximun conductor DCR	< 70,4 Ohm/Km



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Frequency (MHz)	1	4	10	16	20	31.25	62.5	100
Next (dB/100 m)	74,3	65,3	59,3	56,2	54,8	51,9	47,4	44,3

Frequency (MHz)	1	4	10	16	20	31.25	62.5	100
Attenuation (dB/100 m)	2,0	3,8	6,0	7,6	8,5	10,7	15,4	19,8

Frequency (MHz)	1	4	10	16	20	31.25	62.5	100
ACR (dB/100 m)	72,0	61,0	53,0	49,0	46,0	41,0	32,0	25,0

MECHANICAL CHARACTERISTICS

Operating Temperature Range	-20°C/+60°C
Installation Temperature	+0°C/+50°C
Minimum Bending Radius	25 mm
Maximum pulling tension	80 N
Maximum operating voltage	48 V rms
Maximum continuous current per conductor (25°C)	1.4 A
Flame retardancy	IEC 332-1
Approx. Weight	35,0 Kg/Km

MARKING

F.M.C - MTK-65 PVC - UTP DATA CABLE CAT.6 - 100 OHM - 4PR AWG23 - ISO/IEC 11801 EN50173 - w/y+meter marking

PACKAGING & COLORS

Item	Description	Color	Put-up	Put-up Weight (Kgs)
MTK-65 PVC	MTK-65 PVC UTP CAT.6	Grey	EasyReel 305 m	10,6