



## MTK 33 PVC

	<p>FTP CAT.5e PVC</p>
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### Description

Datatwist cat.5e FTP cable for horizontal and building backbone .Unshielded Twisted Pair Cable,4 pairs, 24 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 24 ( 0,51 mm )
Conductor material	Solid bare copper

#### Insulation

Insulation material	Solid PE
Insulation diameter	0,95 ± 0.05 mm

#### Outer shield

Outer shield type	Foil
Outer shield material	Al/PET
Coverage	100%

#### Outer sheath

Outer sheath material	PVC
Outer sheath diameter	6,1 ± 0.3 mm

### ELECTRICAL CHARACTERISTICS ( at 20°C )

Nominal Characteristic Impedance 1-100 MHz	100 ± 15 Oh ms
Nominal Velocity of Propagation	65%
Maximun conductor DCR	< 91,1 Oh m/Km



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Frequency (MHz)	1	4	10	16	20	31.25	62.5	100
Next (dB/100 m)	65,3	56,3	50,3	47,3	45,8	42,9	38,4	35,3

Frequency (MHz)	1	4	10	16	20	31.25	62.5	100
Attenuation (dB/100 m)	2,0	4,1	6,5	8,2	9,3	11,7	17,3	22,0

Frequency (MHz)	1	4	10	16	20	31.25	62.5	100
Return Loss (dB/100 m)	23,1	23,0	25,0	25,0	25,0	23,3	20,7	19,2

Frequency (MHz)	1	4	10	16	20	31.25	62.5	100
ACR (dB/100 m)	63,0	52,0	44,0	39,0	37,0	31,0	21,0	13,0

### 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	29 gr / m

### MARKING (in yellow)

F.M.C - MTK-33 PVC - FTP DATA CABLE CAT.5E - 100 OHM - 4PR AWG24 - ISO/IEC 11801 EN50173 - w/y+meter marking

### PACKAGING & COLORS

Item	Description	Color	Put-up	Put-up Weight (Kgs)
MTK33..B10	MTK33 PVC FTP CAT.5E	Grey	EasyReel 305 m	8.8
MTK33..XXX	MTK33 PVC FTP CAT.5E	Grey	Reel 1000 m	29.0