

Cable Utp Ideal Cat-5e Pvc-eca



PRODUCT DESCRIPTION

• Standard Reference:

ISO/IEC 11801:2011
IEC 61156-5:2012
EN 13501-6
EN 50173-1:2011
EN 50173-2:2007 including amendment A1:2010
EN 50288-9-1:2012
EN 50288-4
EN 50575:2014-A1:2016
EN 60332-1[1,2], 60332-3C, 60754-[1,2], 61034-[1,2]
ANSI/TIA-568-6-2:2009

• Rated temperature: 90°C

• Installation temperature: -30°C~+50°C

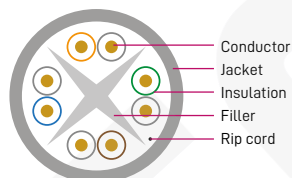
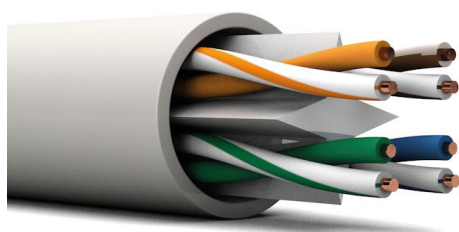
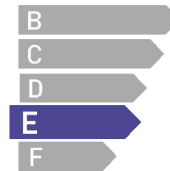
• Rohs complied

• DoP N°: 1190402-1175/29a

• Application

VoIP, ISDN
Token, 100M TP-PDM
Analog and Data Video
TR-16 Active and Passive
115M/662m/1.2GATM
IEEE802.3: 100Base, 100Base-T

CRP Class:



TECHNICAL PERFORMANCE (90m ± 3m)

Frequency (MHz)	RL(dB) min.	Attenuation (dB/100m) max.	NEXT (dB/100m)	DELAY (dB/100m)
1	20.0	2.0	65.3	570.00
4.0	23.0	4.1	56.3	552.00
8.0	24.5	5.8	51.8	546.73
10.0	25.0	6.5	50.3	545.38
16.0	25.0	8.2	47.2	543.00
20.0	25.0	9.3	45.8	542.05
25.0	24.3	10.4	44.3	541.20
31.25	23.6	11.7	42.9	540.44
62.5	21.5	17.0	38.4	538.55
100	20.1	22.0	35.3	537.60
Frequency (MHz)	PSNEXT (dB/100m)	ELFEXT (dB/100m)	PSSELFEXT (dB/100m)	Impedance (Ohms)
1	62.3	64.0	61.0	100±15
4	53.3	52.0	49.0	
8	48.8	45.9	42.9	
10	47.3	44.0	41.0	
16	44.4	39.9	36.9	
20	42.8	38.0	35.0	
25	41.3	35.8	33.0	
31.25	39.9	34.1	31.1	
62.5	35.4	28.1	25.1	
100	32.3	24.0	21.0	

CABLE CONSTRUCTION

Conductor	Material	SOLID Bare Copper
	Nom.O.D (mm)	0.45 ± 0.005mm. 24AWG
Insulation	Material	HPDE
Insulation Diam. Ø		0.82±0.02mm
Jacket Plastic Polymer RoHS	Thickness	AVG: 0.55mm ± 0.05mm
	Outer Diam.Ø	4.8 ± 0.30mm
	Jacket Color (standard)	White: RAL 9016 ○ Black: RAL 9011 ● (*)
Code Color	1 White/Blue	2 White/Orange
	3 White/Green	4 White/Brown
Dimension-Weight	19x34x44cm - 18Kg (2 x 305m)	
Packing	Carton Box (2pcs) & Wooden Drum (1pc)	
Packing Length	Carton Box: 305 ± 1.0m	Wooden Drum: 500m-1000m

ELECTRICAL CHARACTERISTICS (20°C)

1.0-100.0MHz, Characteristic impedance (Ω)	100 ± 15
1.0-100.0MHz, Delay Shew 20°C (ns/100m)	≤ 45
DC Resistance 20°C (Ω/100m)max	11.5
DC Conductor Resistance Unbalance (%)max	5.0

SHEATH PHYSICAL PROPERTIES

Before Aging	Tensile Strength (Mpa) Elongation (%)	≥ 13.5 ≥ 150
Aging Period (°C x hrs)	100°C x 24h x 7d	
After Aging	Tensile Strength (Mpa) Elongation (%)	≥ 12.5 ≥ 125
Cold bend (-20±2°C x 4h)	No visible cracks	

*Option: Black PE

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