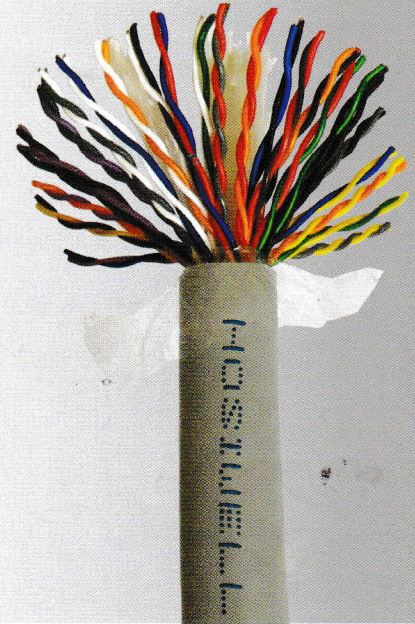




HOSIWELL

Worldwide leading cable manufacturer

Lan Wire Cable



Hosiwell Cat.5e UTP Backbone 25Px24AWG Horizontal Cable

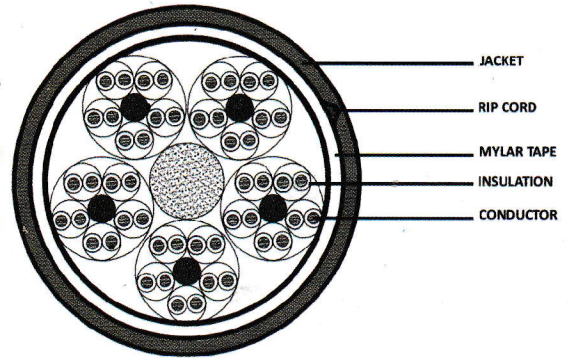


As a premium network cable manufacturer, Hosiwell manufactures the Cat.5e UTP Backbone Horizontal Cable series product in best quality. It is tested to 100MHz frequency range and designed to support Gigabit 1000 Base-T applications to full 100m. Hosiwell Category 5e U/UTP cable are UL listed CMR and standard packing will be 500m easy pull out drums.

CABLE CONSTRUCTION

P/N 30031-GR

Conductor	24 AWG x 25 Pairs Solid Bare Copper Wire 5 Pair Twisted Together (Total 5 Groups) 5 Groups Twisted Together with Mylar Tape
Insulation	High Density Polyethylene (HDPE)
Outer Jacket, Colour	Flame retardant PVC jacket, Grey



PHYSICAL CHARACTERISTICS

Conductor Diameter (Nominal)	0.50 ± 0.02 mm
Insulation Thickness	0.19 mm
Insulation Over Diameter	0.88 mm ± 0.02 mm
Conductor Unit Identification	Solid/Stripe
Colour Code	Per TIA/EIA 568-B
Total Number of Wires	50
Conductor Unit Lay-Up	Pairs
Outer Jacket thickness	0.60 mm
Norm. Diameter	5.10 mm ± 0.02 mm

COMPLIANCE

- IEEE 802.af, IEEE 802.3at PoE applications.
- ANSI/TIA-568-B.2 Cat.5e Standard
- UL type CMR (135928)
- CSA type CMG FT4 (LL80602)
- ETL Certificate
- Verified to Cat.5 ISO/IEC 11801

ELECTRICAL CHARACTERISTICS

DC Resistance (max.)	9.38 Ω/100m
DC Resistance Unbalance (max)	5%
Characteristic Impedance	100 ± 15% Ω
Propagation delay at 100 MHz	538 ns/100m
Delay skew (max.)	45 ns/100m

JACKET CHARACTERISTICS

Flame Retardant PVC Jacket
 Nominal Diameter Over Jacket: 12.90 mm
 Nominal Jacket Thickness: 0.80 mm
 Standard Lengths are : 500 meter

Marking on cable surface : HOSIWELL CABLE E135928-T (UL) CMR 25PR 24AWG 75°C CAT.5E TIA/EIA-568-B.2

APPLICATIONS

For Horizontal cabling sub-system, Telecom ...

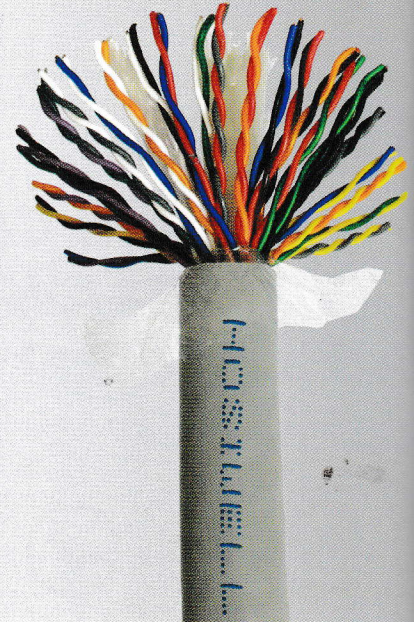




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"Freq (Mhz)"	"Atten. dB/100m max"	"NEXT dB(min)"	"PS- NEXT dB(Min)"	"ACR dB(Min)/ 100M"	"PS-ACR (dB/100m)"	"ELFEXT dB(min)/ 100M"	"PS- ELFEXT dB(min)/100M"	"Return Loss dB(min)"
1	1.9	71	68	69.1	66.1	68	65	20
4	3.7	62	59	58.3	55.3	56	53	23
10	6.0	56	53	50.0	47.0	48	45	25
16	7.6	53	50	45.4	42.4	44	41	25
20	8.5	51	48	42.5	39.5	42	39	25
31.2	10.7	49	46	38.3	35.3	38	35	24
62.5	15.7	44	41	28.3	25.3	32	29	22
100	19.8	41	38	21.2	18.2	28	25	20

COLOR CODE:

