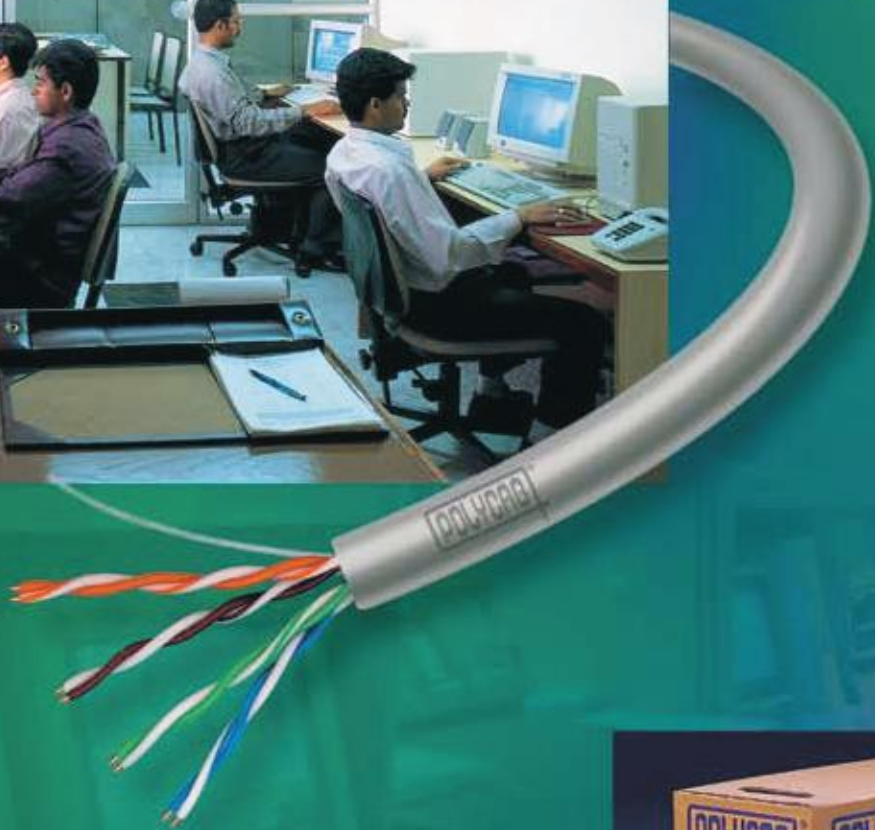


**POLYCARB**<sup>®</sup>  
LAN CABLES



UT

T 5 / 5e

# LAN CABLES



Your right connection

P 4 Pair • C

ISO  
9001:2000

IS:694

# Utp Cat 5 / 5

# e Lan CabLes

Pol Cables best suited to your specific Applications. These are certified by the world renowned under Writers Laboratories Inc. USA (UL). The Cables are verified to the performance category -5/5 requirements of TIA/EIA 568-A & UL 444 for Transmission performance.

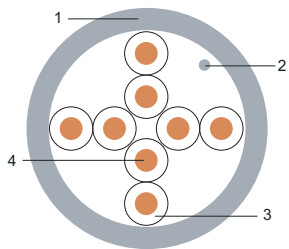
POLY-CABIAN cables are suitable for voice, Data, Video and Low Voltage Control, It is suitable for all LAN topologies including Horizontal and Vertical distribution Plenum and riser.

The conductor is made of Electrolytic plain annealed solid copper of size 0.5mm., High quality Polyethylene Insulated with suitable colour code, twisted pair, unshielded light grey PVC Jacketed with improved fire characteristic meeting requirements of IEC-332-high oxygen and temperature index.

The UL ISO- 9002 certification ensures the quality of cables and its intended performance.

- salient Features**
- low attenuation and crosstalk
  - low Structural return loss
  - UL verified cables

## Construction of Cables



1. PVC Jacket
2. Rip Cord
3. PE Insulation
4. Bare Copper Conductor

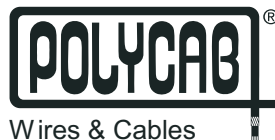
Technical Data - Physical	
• Conductor	Bare Copper
• Nom. Dia of Cond.	0.5mm.
• Insulation	Special PE
• Colour Code	
Pair-1	White/Blue
Pair-2	White/Orange
Pair-3	White/Green
Pair-4	White/Brown
• Outer Jacket	Light Grey PVC
• Nom. Overall Dia	5.7mm.
• Jacket Colour	Grey
• Packaging	reflex Box 1000ft(305M) YCAB bringstoyou LAN

Technical Data - Electrical			
Frequency MHz	Attenuation dB/Pair	Next Structure Returns (SRL) dB(MIN)	MIN dB
0.772	1.8	66.4	23
1.00	2.0	62.2	23
4.00	4.1	53.3	23
8.00	5.8	48.8	23
0.00 1	6.5	47.3	23
16.00	8.2	44.3	23
20.00	9.3	42.2	23
25.00	10.4	41.3	22
1.25 3	11.7	39.9	2
62.50	17.0	33.4	18
100.00	22.0	32.2	16

Parametric Characteristics	
DC Resistance @20°C (Max)	9.38 Ω /100M
Capacitance unbalance Pair to Ground (Max)	1.0 pF/100M
Mutual Capacitance (Max)	5.60 nF/100M
Characteristic Impedance	100 ± 15 Ω
Nominal Velocity of Propagation	66%
Delay Skew (Max)	45ns
Propagation Delay @20°C, 100MHz	538ns/100M

Verified by : Underwriters Laboratories Inc.® USA

ISO 9001:2000



AUTH. DISTRIBUTORS FOR : POLY-CAB WIRES & CABLES

27, Shreenath Bhuvan, 6/12, Picket Cross Road, MUMBAI-400 002  
 Tel. : 2206 9420 . 2208447 . FAX : 2208 1673 . Talkfree : \*225 . \*744  
 E-mail : arihantcables@ntnl.net.in