



# Delton

WE CONNECT FOR LIFE

Network For The Future



## Delton Lan Cables

- ▶ 4Pair –UTP (Unshielded), CAT-5e LAN (Local Area Network) Cable.
- ▶ Structure cabling system for high speed network.
- ▶ Ideal where the terminal density is very high.
- ▶ High bit rates over extended distances.
- ▶ Polyethylene insulation.

Delton Cables CAT-5e 4Pair/0.50mm (24AWG) UTP CAT5e

1948-2007

**50**<sup>+</sup>  
Years  
of Excellence

An ISO 9001:2000  
Certified Company

Delton Cables Ltd. is an ISO 9001: 2000 certified company committed to Quality and Customer Satisfaction. Delton provides competence in Cable technology covering measurement, control, communication and power distribution applications for different environmental conditions, as used in exploration, metal, oil, refining or gas processing sites, petrochemical, chemical, power generation, infrastructure, commercial and housing complexes etc.

Delton LAN Cables (CAT-5e) are effectively used in computer networking & are manufactured as per TIA/EIA 568A. The conductor is made of electrolytic grade annealed copper and insulated with special grade of polyethylene on modern extruders. The cores are twisted together for uniform lay. The colour coding of pairs shall be as per specifications. The cables thus formed is jacketted with special grade of PVC (FR/FRLS/Zero Halogen) for improved properties of fire Retardancy.

## Technical Specifications

D-C Resistance (ohms/100m at 20°, C) max for single copper conductor	9.38
D-C Resistance unbalance % max.	5
Pair to Ground Capacitance Unbalance (pF/100mm), max	330
Impedance (ohms) at 1.0-100/0 Mhz	10+/-15%

Structural Return Loss (db) min, at	
1-20MHz	23
25.00MHz	22
31.25MHz	21
62.50MHz	18
100.00MHz	16
Attenuation (db/100m at 20°C), max, at	
772KHz	1.8
1.00MHz	2.0
4.00MHz	4.1
8.00MHz	5.8
10.00MHz	6.5
16.00MHz	8.2
20.00MHz	9.3
25.00MHz	10.4
31.25MHz	11.7
62.50MHz	17.0
100.00MHz	22.0
Worst pair near-End Crosstalk(db), min at	
772 KHz	64
1.00MHz	62
4.00MHz	53
8.00MHz	48
10.00MHz	47
16.00MHz	44
20.00MHz	42
25.00MHz	41
31.25MHz	39
62.50MHz	35
100.00MHz	32

Propagation Delay (ns/100 m at 20°C) max at		
1.00MHz	570	
10.00MHz	545	
100.00MHz	538	
Propagation Delay Skew(ns/100 m at 29°C) max at		
1.00MHz	45	
10.00MHz	45	
100.00MHz	45	

## Physical Properties

Conductor :	Solid Bare Copper of nominal 0.5mm
Insulation :	Special grade of Poly Ethylene
Color code :	White-Blue; White-Orange; White-Green; White Brown;
Outer Jacket :	PVC ( FR/FRLS/Zero Halogen )
Color :	Gray
Nom Dia :	5.0mm
Approx Cable :	Weight/Mtr. 35 gms

## Product Range

- Cable package for GSM system
- PE insulated jelly filled Cables
- LAN Cables
- Teflon insulated high temp Cables
- Compensating Cables
- PVC / XLPE Power / Control Cables
- Zero Halogen Cables
- Single Core Wires
- PVC/PE insulated copper screened multicore/multipair Cables
- PVC insulated indoor Telephone Cables
- Polyurethane sheathed Cables
- Cables for Railway application
- RF and Coaxial Cables
- PVC / XLPE insulated steel wire braided multicore Cables
- Special Cables as per customer requirements
- MCBs
- Isolators
- Distribution Boards
- MCB Changeover Switches

New

# Delton Cables Limited

Delton Cables Limited Delton House, 4801, Bharat Ram Road, 24, Darya Ganj, New Delhi-110 002 Phones: 011-23273905-07 Fax: 011-23280375, 23272178  
Email: dcl@deltoncables.com , sales@deltoncables.com Web Site: www.deltoncables.com

Branch Offices - MUMBAI : 022-24936501 KOLKATA : 033-22824388 CHENNAI : 044-28592608 BANGALORE : 080-22263934 HYDERABAD : 09392430680

Representative - Bhubneshwar - 09437961873, Chandigarh - 09872074555, Guwahati - 09864060319,  
Jaipur - 09414047818, Lucknow - 09415578950, Rourkela - 09437962725