

UTP/STP LAN CABLE CATEGORY 5



6899 SERIES. For Interconnection Of LAN Network

Features

- Available in shielded or unshielded version
- Twisted pair LAN cable UTP / STP
- 4 pairs unshielded twisted pair LAN cable
- Applicable standard: EIA/TIA 568

Cable Construction

- Conductor solid bare copper wire AWG 24, 1 x 0.50mm
- Insulator Material: Polyolefin
- Pairs Configuration:
 1. Brown / White Brown
 2. Orange / White Orange
 3. Blue/ White Blue
 4. Green / White Green

- Jacket: Flame retardant Polyvinyl

Electrical Properties

- Conductor Resistance: 28.6 Ω /1000 foot max to 20°C
- Insulation Resistance: 100 M Ω /Km. Min. to 20°C
- Characteristic Impedance:
 - For frequency 0.772 MHz. the impedance is (102 \pm 15%)
 - For frequency between 1 to 100 MHz. the impedance is (100 \pm 15%)

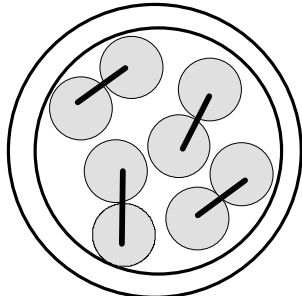
Rating and Temperature Range

- UL and CSA style: UL 20251 CSA II A/B
- Storage temperature range: -20°C to +60°C

Ordering

Part Number			
Unshielded (UTP)		Shielded (STP)	
Solid conductor	Flexible Cond.	Solid conductor	Flexible Cond.
6899 - 2081	6899 - 2083	6899 - 2082	6899 - 2084

Dimensional Information



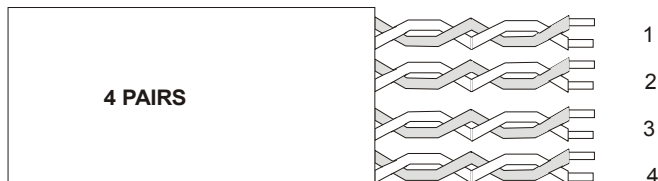
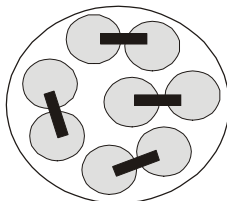
4 Twisted Pair
1/0.5 x 4 Pair

Worst-Pair near end crosstalk

Frequency (MHz)	Crosstalk (dB)
0.772	64
1.0	62
4.0	53
10.0	47
16.0	44
20.0	42
31.25	40
82.50	35
100.0	32

Specifications (dB /1000 foots)

Frequency (MHz)	Specification
0.256	3.2
0.512	4.5
0.772	5.5
1.0	6.3
4.0	13.0
10.0	20.0
16.0	25.0
20.0	28.0
31.25	36.0
62.50	52.0
100.0	67.0



1. White blue - Blue
2. White orange - Orange
2. White green - Green
2. White brown - Brown