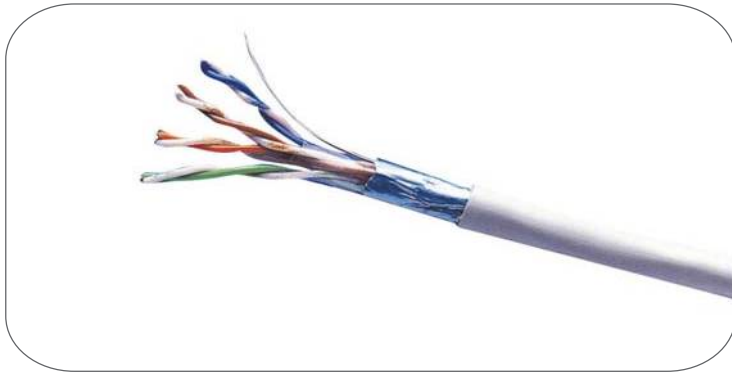


## Cat.5e 4 Pair F/UTP Solid Cable



### Standards

- UL, ETL Verified
- ISO/IEC11801
- ANSI/TIA/EIA Cabling Standard 568-C.2
- CENELEC EN 50173

### Applications

- Voice; T1; ISDN
- 10BASE-T (IEEE 802.3)
- 16Mbps Token Ring (IEEE802.5)
- 100VG-AnyLAN (IEEE802.12)
- 100BASE-T Ethernet (IEEE802.3)
- 155/622Mbps ATM
- 1000Mbps Gigabit Ethernet
- 550MHz Broadband Video
- 10GBASE-T Ethernet

### Transmission Performance

Frequency (MHz)	Atten. dB/100m	NEXT dB.(Min.)	PSNEXT dB.(Min.)
1	--	65	62
4	4.1	56	53
8	5.8	51	48
10	6.5	50	47
16	8.2	47	44
20	9.3	45	42
25	10.4	44	41
31.25	11.7	42	39
62.5	17.0	38	35
100	22.0	35	32
125	25.0	34	31

### Cable Structure

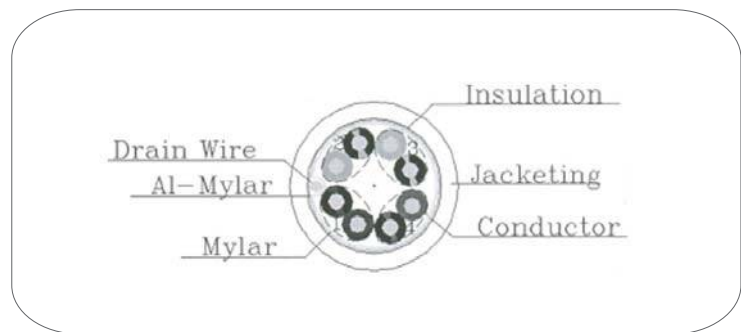
- Twisted pair color code:
  - Pair 1> blue, white/blue ring.
  - Pair 2> orange, white/orange ring
  - Pair 3> green, white/green ring
  - Pair 4> brown, white/brown ring
- Conductor: 24AWG solid anneal copper wire
- Insulation material: Polyethylene
- Diameter of dielectric core: 1.05±0.05mm
- Number of twist pairs: 4 pairs
- Individual Shielding:
  - Maylar film as a layer of buffer
  - Aluminum-foil-laminated shield.
  - One 26AWG Tinned Copper drain wire
- Assembly: 4 pairs of dielectric core shall be stranded in circular form.
- Material of jacket: PVC, or LSZH.
- Sheath Thickness: Ave. 0.5mm
- Overall Diameter: Ave. 6.1±0.3mm
- Color: Gray

### Physical Characteristics

- Jacket elongation: min 100%
- Jacket tensile strength: PVC>>min 1500psi, LSZH>>min 1200psi
- After aging jacket tensile strength: PVC>>75% of before aging. LSZH>>70% of before aging.
- After aging jacket elongation: PVC>>50% of before aging. LSZH>>75% of before aging

### Electrical Characteristics

- Capacitance: Max. 5.6nf/100m
- Capacitances unbalance : max. 330pf/100m
- DC resistance of conductor: max. 9.38Ω/100m at 20°C
- DC resistance unbalance of conductor: max. 5%
- Insulation resistance: min. 150MΩ/Km
- Velocity of propagation: nom. 66%
- Dielectric Strength : 2500Vds/3 seconds



### Ordering Information

Part No.	Description	Jacket	Std Pkg Qty
1103-03003	Cat.5e 4 pair F/UTP Solid Cable	PVC / LSZH	305m/box

Note Specifications are subject to change without any notice or obligation on the part of the manufacturer.