



## COPPER STRUCTURED CABLING

# CAT5e

# FTP- PREMIUM

### PRODUCT SPECIFICATIONS

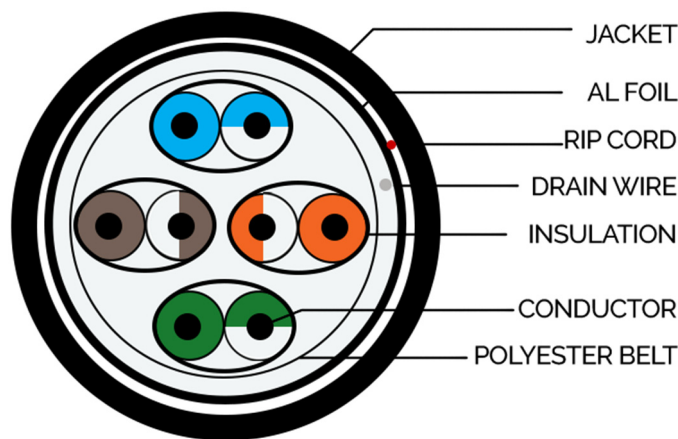
Linxcom Foiled Twisted Pairs (FTP) Category 5e LAN cable is 24 AWG.

Our Cables are verified and third-party organizations and comply with ISO 11801.

All our jackets can be customized upon request.

### APPLICATIONS

- Horizontal wiring in LAN
- Gigabit Ethernet
- Multimedia Video, Voice and Data



### FEATURES

- 4 Pair Twisted Cable
- Ultra-Smooth Jacket
- Drain Wire

### BENEFITS

- Broadband/ Ethernet
- Brightly coloured Twisted Pairs
- Meets 5e requirements

### JACKET SPECIFICATIONS

Material	PVC
Colour	As Per Request
Thickness	≥0.55mm
Outer diameter	6.2±0.5mm
Rip Cord	Optional
Tensile Strength	≥14.5MPa
Aging Elongation	≥150%
Bending Radius	≥10x Outer Diameter

### ENVIRONMENTAL SPECIFICATIONS

Operation (°C)	-20~+60
Installation (°C)	-20~+60

### CONSTRUCTION SPECIFICATIONS

Configuration	Solid Bare Copper
American Wire Gauge	0.50±0.008mm /24AWG
Insulation	HDPE
Insulation Diameter	0.99±0.02mm
AL Foil	18x0.065mm
Drain Wire	1x0.4 Tinned Copper
Linear Resistance	≤9.5Ω/100m
Insulation Resistance	≥5000MΩ/km
Characteristic Impedance	100±15Ω(1-250MHz)
Dielectric Strength	DC 1kV 1min no break

### COLOURING

Pair 1	Pair 2	Pair 3	Pair 4
Blue, Blue/White	Orange, Orange/White	Green, Green/White	Brown, Brown/White

### ORDERING INFORMATION

Part Number	Construction	Category	Jacket	Length
FTP5EPVCXXX	FTP (Foiled Twisted Pair)	6	PVC	305m Box 500m Reel



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### ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Return Loss (dB)	Attenuation (dB/100m)	NEXT (dB)
1	20	2.1	65.3
4	23	4.1	56.3
8	24.5	5.8	51.8
10	25	6.5	50.3
16	25	8.2	47.2
20	25	9.3	45.8
25	24.3	10.4	44.3
31.25	23.6	11.7	42.9
62.5	21.5	17	38.4
100	20.1	22	35.3

### ELECTRICAL CHARACTERISTICS

Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
1	62.3	63.8	60.8
4	53.3	52	49
8	48.8	45.9	42.9
10	47.3	44	41
16	44.2	39.9	36.9
20	42.8	38	35
25	41.3	36	33
31.25	39.9	34.1	31.1
62.5	35.4	28.1	25.1
100	32.3	24	21