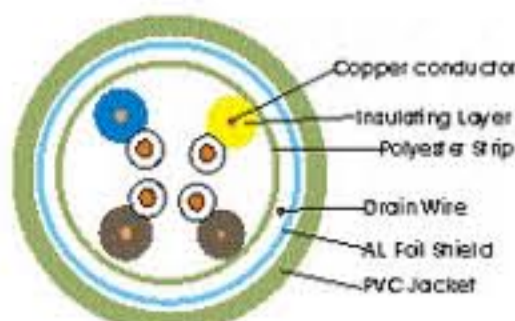


## Products

### Lan/Structural cables



**Data Cables :** These are cables that lead from your computer to your GPS device. These tend to use the newer USB or the older serial protocol.



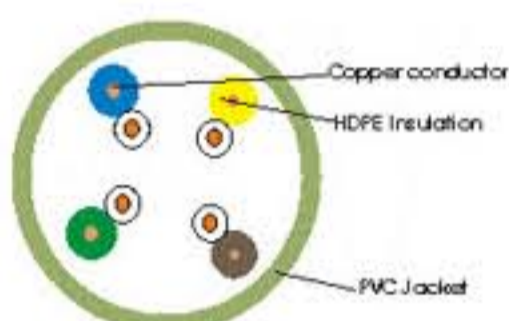
Product State	
Type	CAT-5E FTP
Standard	4 Pairs

Material Construction	
Conductor	Copper 0.50mm
Insulator	Solid PE 1.00mm
Tape	Polyester Ribbon 30mm
Drain wire	Tinplate Copper 0.50
Shield	AL Foil 70mm
Jacket	PVC

Delivery Instruction	
Length	305m/box
Diameter	6.5 ± 0.1mm
Max Strain Power	80N
Temperature Range	-40°C ~ +60°C

Transmission Characteristics	
Impedance( $Z_0$ ) 1-100MHz	100 ± 15ohms
Attenuation(IL) 100MHz	:22dB/100m
Return Loss(RL) 100 MHz	20dB/100m
Next 100MHz	35 dB/100m
PSNEXT 100 MHz	32.3dB/100m
ELFEXT 100MHz	24dB/100m
PSELFEXT 100MHz	21dB/100m
Velocity of propagation 100MHz	0.620/100m
Delay 100MHz	538 ns/100m
Speed (SKEW) 1-100MHz	45ns/100m

Product Standard	
ISO/IEC 11801	
ANSI/EIA/TIA-568-B	
YD/T1019-2001	
YD/T838-1976	
UL-444	



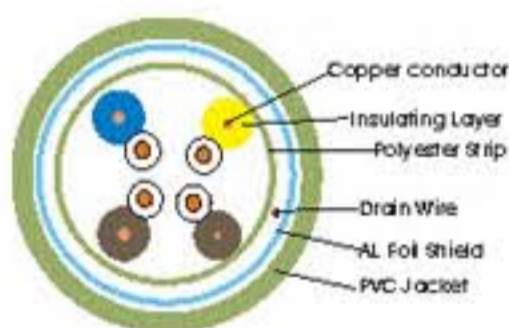
Product State	
Type	CAT -6E FTP
Standard	4Pairs

Material Construction	
Conductor	Copper 0.55 mm
Insulation	Solid PE 1.10mm
Type	Polyster Ribbon 30mm
Drain wire	Tinplate Copper 0.50
Shield	AL Foil 70mm
Jacket	PVC

Delivery Instruction	
Length	305m/box
Diameter	7.3 ± 0.1mm
Max Strain Power	80N
Temperature Range	-40°C ~ +60°C

Transmission Characteristics	
Impedance( $Z_0$ ) 1-250MHz	100 ± 15 Ohms
Attenuation(IL) 250MHz	22dB/100m
Return Loss(RL) 250 MHz	20dB/100m
Next 250MHz	38.3dB/100m
PSNEXT 250 MHz	:36.3dB/100m
ELFEXT 250MHz	19.8dB/100m
PSELFEXT 250MHz	16.8dB/100m
Velocity of propagation 250MHz	0.620/100m
Delay 250MHz	538 ns/100m
Speed(SKEW) 1-250MHz	45ns/100m

Product Standard	
ISO/IEC 11801	
ANSI/EIA/TIA-568-B	
YD/T1019-2001	
YD/T838-1976	
UL-444	



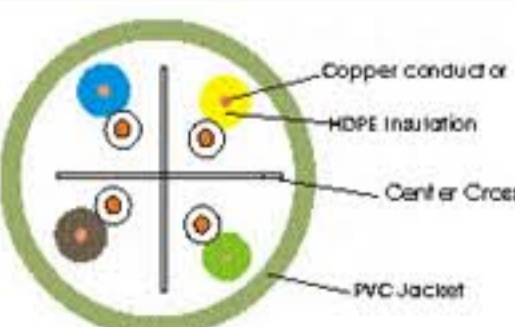
Product State	
Type	CAT -6E UTP
Standard	4Pairs

Material Construction	
Conductor	Copper 0.55 mm
Insulation	Solid PE 1.00mm
Center Cross	PE
Jacket	PVC

Delivery Instruction	
Length	305m/box
Diameter	6.8 ± 0.1mm
Max Strain Power	80N
Temperature Range	-40°C ~+60°C

Transmission Characteristics	
Impedance( $Z_0$ ) 1-250MHz	100 ± 15 Ohms.
Attenuation(IL) 250MHz	32.8dB/100m
Return Loss(RL) 250 MHz	17.3 dB/100m
Next 250MHz	38.3dB/100m
PSNEXT 250 MHz	36.3dB/100m
ELFEXT 250MHz	19.8dB/100m
PSELFEXT 250MHz	16.8dB/100m
Velocity of propagation 250MHz	0.620/100m
Delay 250MHz	536 ns/100m
Speed(SKEW) 1-250MHz	45ns/100m

Product Standard	
ISO/IEC 11801	
ANSI/EIA/TIA-568-B	
YD/T1019-2001	
YD/T838-1976	
UL-444	



Product State	
Type	CAT -5E UTP
Standard	4Pairs

Material Construction	
Conductor	Copper 0.50 mm
Insulation	Solid PE 0.90 mm
Jacket	PVC

Delivery Instruction	
Length	305m/box
Diameter	5.4 ± 0.1mm
Max Strain Power	80N
Temperature Range	-40°C ~ +60°C

Transmission Characteristics	
Impedance( $Z_0$ ) 1-100MHz	100±15 Ohms.
Attenuation(IL) 100MHz	22dB/100m
Return Loss(RL) 100 MHz	20dB/100m
Next 100MHz	35 dB/100m
PSNEXT 100 MHz	32.3dB/100m
ELFEXT 100MHz	24dB/100m
PSELFEXT 100MHz	21dB/100m
Velocity of propagation 100MHz	0.620/100m
Delay 100MHz	538 ns/100m
Speed(SKEW) 1-100MHz	45ns/100m

Product Standard	
ISO/IEC 11801	
ANSI/EIA/TIA-568-B	
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