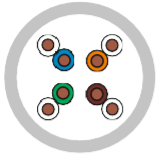


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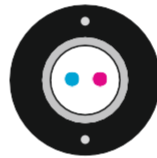
FTTH OUTDOOR ROUND CABLE WITH GFR YARN

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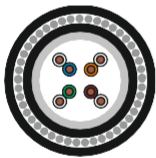
CAT6 & CAT6a DOUBLE COVER CABLE

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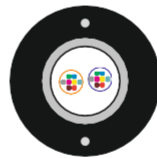
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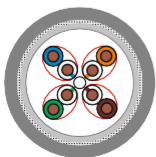
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CAT6 FLAT CABLE

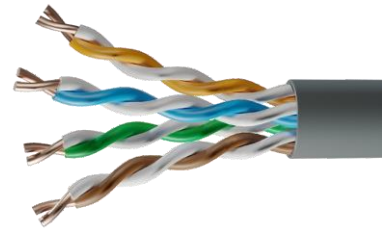
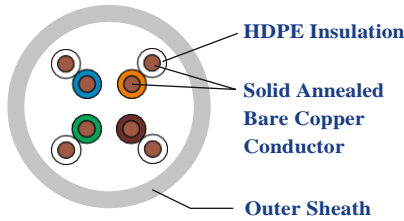
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CAT5 & CAT5e CABLE



Applications

Cat5 Ethernet cable is widely used for connecting all manner of devices on local networks. It is also commonly found supporting incoming internet or broadband connections.

Typical uses of Cat5 cable include numerous LAN (Local Area Network) applications, such as connecting multiple computers to form a network of linked devices in reasonable proximity.

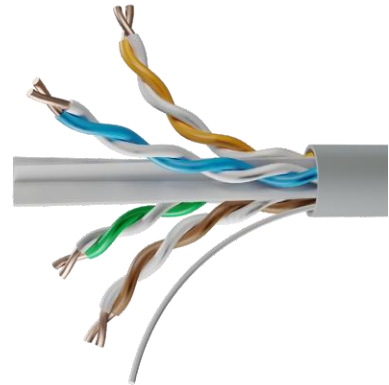
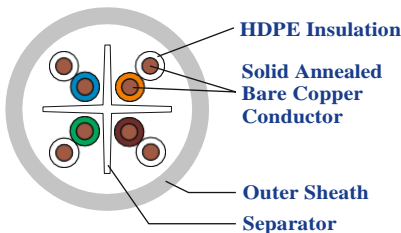
Many hubs, switches, and routers found in schools, colleges, offices, hospitals, and other workplaces will primarily be using Cat5 cable connections for the bulk of their data transfer activity.

Other standard applications include hooking up a wide range of indoor telephone, video, audio/speaker, and CCTV systems.

Construction

- Conductor : Annealed Bare Solid Copper Conductor 23 AWG & 24 AWG
- Insulation : HDPE
- Sheath : PVC/HR-PVC/LSZH/FRLS
- Type : Shielded or Unshielded
- Shield : Aluminum Mylar (Foil) tape screen with tinned copper drain wire. Individual Shielding or Overall Shielding (If Applicable)
- Options : Double Sheath for Outdoor/Wire Armoured/Aramid Yarn Strength/Water Blocking Tape

CAT6 & CAT6a CABLE



Applications

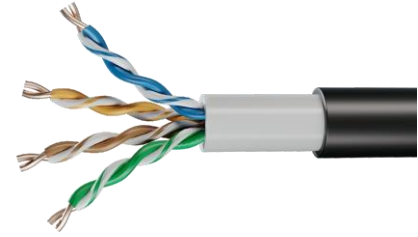
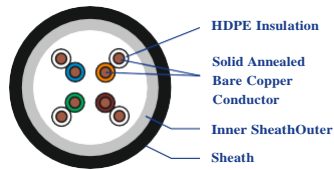
In most cases, Cat6 cable is used for connecting a computer to another device like a hub, router or switch in order to allow the sharing of files across a network or for accessing the Internet.

It can also be used for connecting computers to other devices such as printers or scanners, or for incoming and outgoing LAN connections on patch panels. With the potential for higher speeds and less crosstalk, Cat6 cable currently dominates home and enterprise networks as the cable of choice.

Construction

- Conductor : Annealed Bare Solid Copper Conductor 23 AWG & 24 AWG
- Insulation : HDPE Separator : LDPE
- Sheath : PVC/HR-PVC/LSZH/FRLS
- Type : Shielded or Unshielded
- Shield : Aluminum Mylar (Foil) tape screen with tinned copper drain wire. Individual Shielding or Overall Shielding (If Applicable)
- Options : Double Sheath for Outdoor/Wire Armoured/Aramid Yarn Strength/Water Blocking Tape

CAT6 & CAT6a DOUBLE COVER CABLE

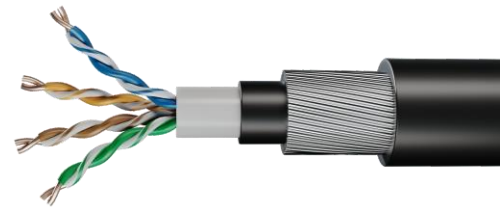
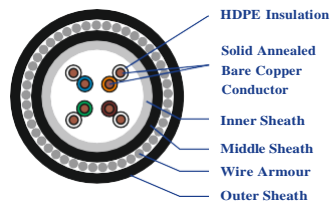


Construction

Conductor : Annealed Bare Solid Copper Conductor 23 AWG & 24 AWG
 Insulation : HDPE
 Inner Sheath : PVC/HR-PVC/LSZH/FRLS
 Type : Shielded or Unshielded

Options : Double Sheath for Outdoor/Wire Armoured/Aramid Yarn Strength/Water Blocking Tape
 Separator : LDPE
 Outer Sheath : PVC/HR-PVC/LSZH/FRLS

CAT6 & CAT6a ARMOURED CABLE

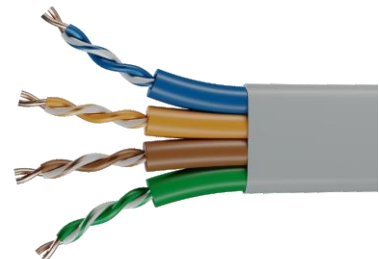
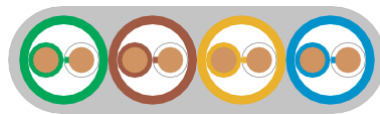


Construction

Conductor : Annealed Bare Solid Copper Conductor 23 AWG & 24 AWG
 Insulation : HDPE
 Inner Sheath : PVC/HR-PVC/LSZH/FRLS
 Armour : Round GI Wire or Aluminium Wire

Options : Double Sheath for Outdoor/Wire Armoured/Aramid Yarn Strength/Water Blocking Tape
 Separator : LDPE
 Outer Sheath : PVC/HR-PVC/LSZH/FRLS
 Type : Shielded or Unshielded

CAT6 FLAT CABLE



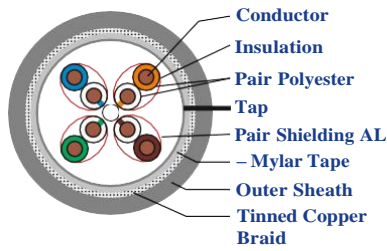
Construction

Conductor : Annealed Bare Solid Copper Conductor 23 AWG & 24 AWG
 Insulation : HDPE

Sheath : PVC/HR-PVC/LSZH/FRLS

NOTE: Customized Solutions available on request

CAT7 CABLE



Applications

CAT7 cable is intended to support much higher frequencies of signals than the CAT5e and CAT6 cables.

CAT7 Ethernet cables (LAN cables) are used to connect modems, hubs, and individual computers on networks of all shapes and sizes.

Commercial and Industrial Applications:

CAT7 cables can withstand various hazards, including temperature extremes, UV/moisture exposure, and direct contact with different chemicals and oils.

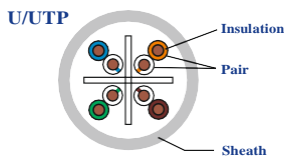
Domestic Applications:

Cat7 cables have become increasingly popular with home users across a wide range of domestic CAT7 LAN cable networks and connectivity setups, in addition to enthusiast gaming setups.

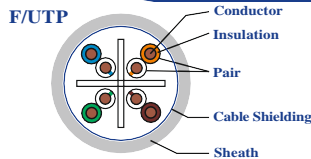
Construction

- Conductor : Annealed Bare Solid Copper Conductor 23 AWG & 24 AWG
- Insulation : HDPE Separator : LDPE
- Sheath : PVC/HR-PVC/LSZH/FRLS
- Type : Shielded and Braided
- Shield : Aluminum Mylar (Foil) tape screen with tinned copper drain wire. Individual Shielding or Overall Shielding
- Options : Double Sheath for Outdoor/Wire Armoured/Aramid Yarn Strength/Water Blocking Tape
- Note : Customized Solutions available on request

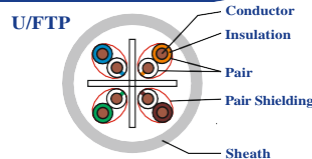
Ethernet Categories



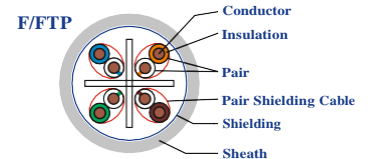
**Unshielded/Unshielded
Twisted Pair**



**Foil/Unshielded
Twisted Pair**



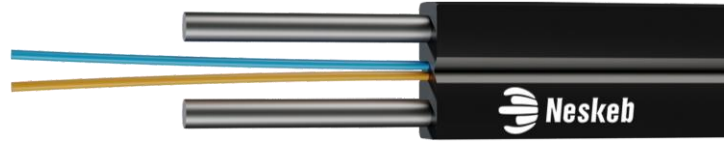
**Unshielded/Foil
Twisted Pair**



**Foil/Foil Twisted
Pair**

Specs.	Category 5	Category 5e	Category 6	Category 6e	Category 7
Cable Type	UTP	UTP OR STP	UTP OR STP	STP	S/FTP
Max. Data Transmission Speed	10/100 Mbps	10/100/1000 Mbps	1000/10,000 Mbps	10,000 Mbps	10,000/40,000 Mbps
Max. Bandwidth	100 MHz	100 MHz	250 MHz	500 MHz	600 MHz
Distance	100 Mbps at 100 meters	1 Gbps at 100 meters	10 Gbps at 37-55 meters 1 Gbps at 100 meters	10 Gbps at 100 meters	10 Gbps at 100 meters 40 Gbps at 50 meters
Connector Type	RJ45 (8P8C)	Rj45 (8P8C)	RJ45 (FOR CAT6)	RJ45(FOR CAT6A)	GG45 OR TERA
Common Usage	Phone Lines, Home Network	Phone Line, Home Network, Office Network	Phone Line, Home Network, Office Network	Office Network, Data Centers	Data Centers

FLAT FTTH DROP CABLE



Construction

Fibre : Single Mode G.652D/G.657A

Packing : Coil up to 2500 meter Drum above 2500 meter up to 6000 meter.

Strength Member : FRP Rod (0.50 mm)

Colour Coding - Fibre

BLUE ORANGE

Outer Sheath : LSZH

FIBRE COUNT		NOMINAL DIAMETER (mm)	NOMINAL WEIGHT (Kg/Km.)
2F		2.0 mm X 3.0 mm	8 Kg.

TENSILE STRENGTH (N)		BENDING RADIUS (mm)		TEMPERATURE RANGE	
INSTALLATION	OPERATING	TEMPORARY	PERMANENT	INSTALLATION	OPERATING
40	20	30 x D	50 x D	-20 to +70 C	-40 to +70 C

FTTH OUTDOOR ROUND CABLE WITH GFR YARN



Construction

Fibre : Single Mode G.652D/G.657A

Outer Sheath : UV Proof HDPE

Strength Member : Glass Fibre Roving (GFR) Yarn

Packing : Coil up to 2500 meter, Drum above 2500 meter up to 6000 meter.

Loose Tube : PBT Loose Tube with Jelly

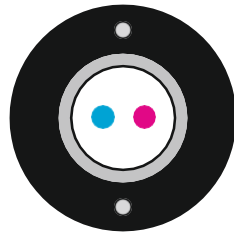
Colour Coding - Fibre

BLUE ORANGE GREEN AQUA

FIBRE COUNT	NOMINAL DIAMETER (mm)	NOMINAL WEIGHT (Kg/Km.)
UPTO 4F	4.5 mm ± 0.1 mm	18 kg ± 1 kg

MAX. TENSILE STRENGTH (N)	MIN. BENDING RADIUS (mm)	TEMPERATURE RANGE
400 N	20 X D	-20° C to +70° C

UNITUBE UNARMOURED OFC UPTO 12F



Construction

Fibre : Single Mode G.652D

Packing : Coil up to 2500 meter, Drum above 2500 meter up to 6000 meter

Strength Member : FRP Rod (0.80 mm/1.00 mm)

Loose Tube : PBT Loose Tube with Jelly

Outer Sheath : UV Proof HDPE

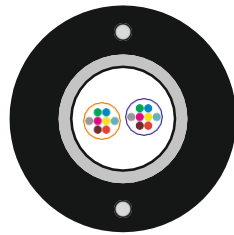
Colour Coding - Fibre



FIBRE COUNT	NOMINAL DIAMETER (mm)	NOMINAL WEIGHT (Kg/Km.)
UPTO 12F	6.0 mm ± 0.2 mm	40 Kg.

TENSILE STRENGTH (N)		BENDING RADIUS (mm)		TEMPERATURE RANGE	
INSTALLATION	OPERATING	TEMPORARY	PERMANENT	INSTALLATION	OPERATING
1000	500	15 X D	20 X D	-10° to +50° C	-40° to +70° C

UNARMOURED OFC UPTO 24F



Construction

Fibre : Single Mode G.652D

Packing : Drum up to 6000 meter.

Strength Member : FRP Rod (1.00 mm)

Loose Tube : PBT Loose Tube with Jelly

Outer Sheath : UV Proof HDPE

Colour Coding - Fibre



FIBRE COUNT	NOMINAL DIAMETER (mm)	NOMINAL WEIGHT (Kg/Km.)
UPTO 24F	9.0 mm ± 0.5 mm	60 Kg.

TENSILE STRENGTH (N)		BENDING RADIUS (mm)		TEMPERATURE RANGE	
INSTALLATION	OPERATING	TEMPORARY	PERMANENT	INSTALLATION	OPERATING
1000	500	15 X D	20 X D	-10° to +50° C	-40° to +70° C

* For Fibre count more than 12F, bundles in multiple of 12F will be formed with color identification binder (Blue, Orange)



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