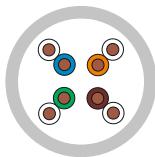


INDEX



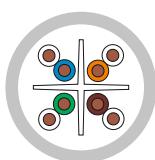
CAT5 & CAT5e CABLE

Page No. 3



FLAT FTTH DROP CABLE

Page No. 6



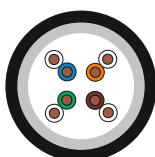
CAT6 & CAT6a CABLE

Page No. 3



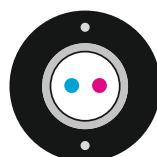
FTTH OUTDOOR ROUND CABLE WITH GFR YARN

Page No. 6



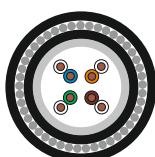
CAT6 & CAT6a DOUBLE COVER CABLE

Page No. 4



UNITUBE UNARMOURED OFC UPTO 12F

Page No. 7



CAT6 & CAT6a ARMoured CABLE

Page No. 4



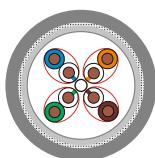
UNARMOURED OFC UPTO 24F

Page No. 7



CAT6 FLAT CABLE

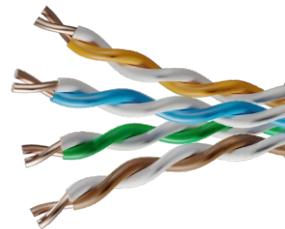
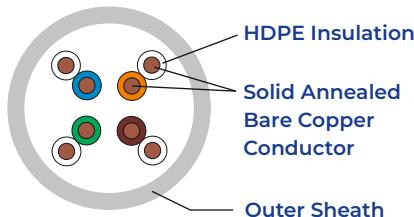
Page No. 4



CAT7 CABLE

Page No. 5

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

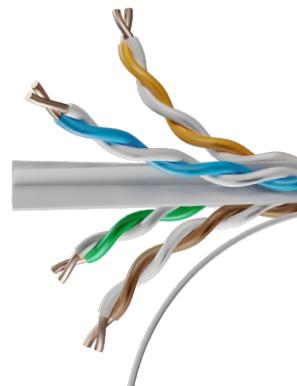
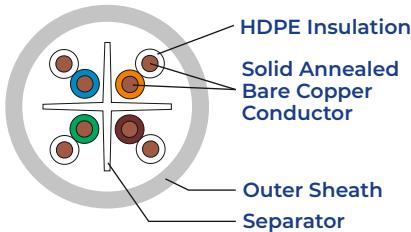
Sheath : PVC/HR-PVC/LSZH/FRLS

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 together 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

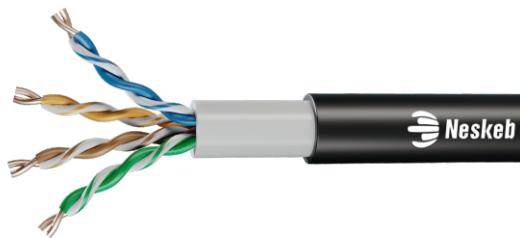
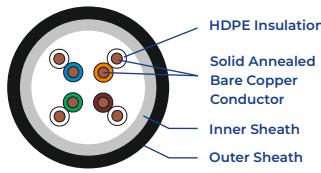
Type : Shielded or Unshielded

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

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CAT6 & CAT6a DOUBLE COVER CABLE

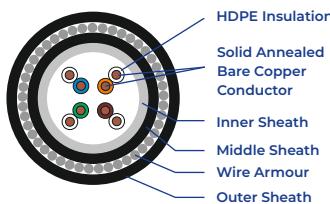


Construction

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

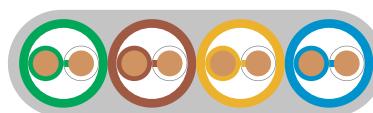


Construction

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

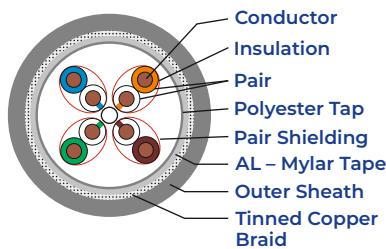
Conductor : Annealed Bare Solid Copper Conductor
 23 AWG & 24 AWG
Insulation : HDPE

Sheath : PVC/HR-PVC/LSZH/FRLS

NOTE: Customised Solutions available on request

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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

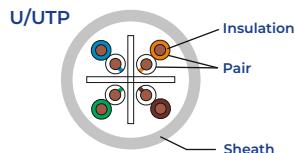
Type : Shielded and Braided

Shield : Aluminum Mylar (Foil) tape screen with tinned copper drain wire. Individual Shielding or Overall Shielding

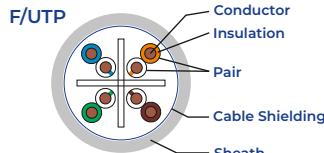
Options : Double Sheath for Outdoor/Wire Armoured/Aramid Yarn Strength/Water Blocking Tape

Note : Customised Solutions available on request

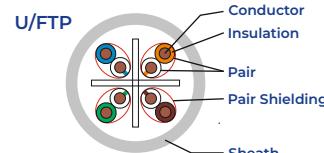
Ethernet Categories



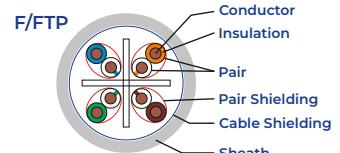
Unshielded/Unshielded Twisted Pair



Foil/Unshielded Twisted Pair



Unshielded/Foil Twisted Pair

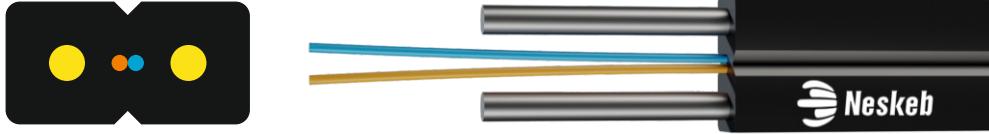


Foil/Foil Twisted Pair:

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 Mtrs	1 Gbps at 100 Mtrs	10 Gbps at 37-55 Mtrs 1 Gbps at 100 Mtrs	10 Gbps at 100 Mtrs	10 Gbps at 100 Mtrs 40 Gbps at 50 Mtrs
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

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FLAT FTTH DROP CABLE



Construction

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

Packing : Coil upto 2500 Mtr. Drum above 2500 Mtr. upto 6000 Mtr.

Strength : FRP Rod (0.50 mm)
Member

Outer : LSZH
Sheath

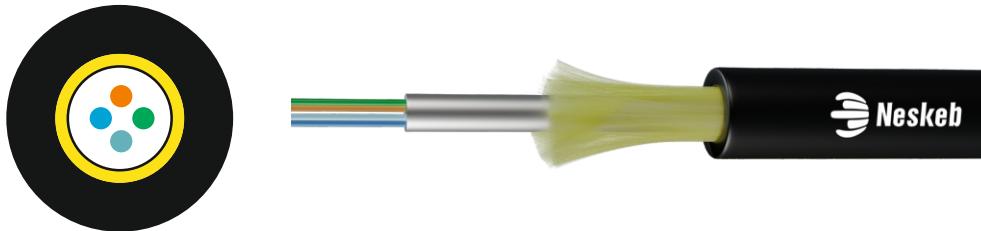
Colour Coding - Fibre

BLUE ORANGE

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 : Glass Fibre Roving (GFR) Yarn
Member

Packing : Coil upto 2500 Mtr., Drum above 2500 Mtr. upto 6000 Mtr.

Loose Tube : PBT Loose Tube with Jelly

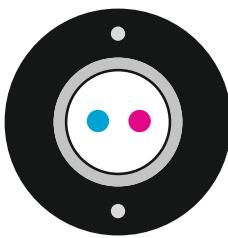
Colour Coding - Fibre

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 upto 2500 Mtr., Drum above 2500 Mtr. upto 6000 Mtr.

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

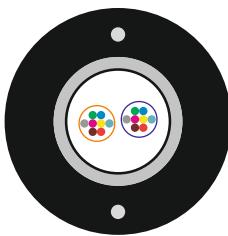
Fibre : Single Mode G.652D

Packing : Drum upto 6000 Mtr.

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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02827-253324

ofc@neskeb.com

www.neskeb.com

Address: Survey No.: 340, Plot No. 04 & 05, Nr. Rotec Pump, At.-Padvala-360024, Ta. Kotda Sangani, Dist.Rajkot



Neskeb Optical Fibre LLP

📞 +91 82007 61090 | +91 99782 75274

✉️ ofc@neskeb.com 🌐 www.neskeb.com

📍 Survey No. 340, Plot No. 04 & 05, Nr. Rotec Pump, At. Padvala-360 024,
Ta. Kotda Sangani, Dist. Rajkot (Guj.)

