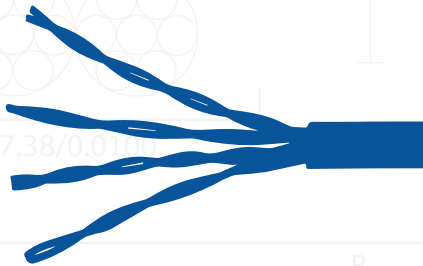


## CAT Cable

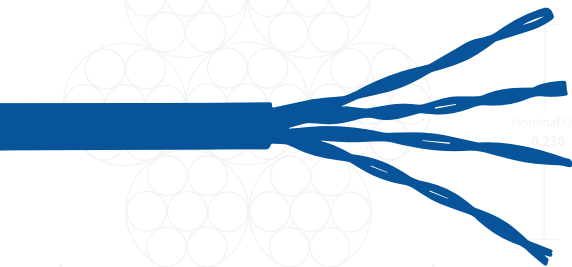


### CAT (Category) Cable

is a type of multi conductor cable that contains twisted pairs used for carrying signals. Most often, you will find these cables are used in data transmission. It is also used on computer networks such as Ethernet. This cable provides performance up to 10/100 Mbps speeds at up to 100 MHz. This makes it suitable for 10BASE-T, 100BASE-TX, 1000BASE-T and 2.5GBASE-T. CAT6 can handle 10-gigabit Ethernet at 250 MHz. CAT6 is also specifically designed to reduce "crosstalk" better than CAT5 or CAT5E.

### Construction







High quality bare or tinned copper that is either stranded or solid depending on the specific style

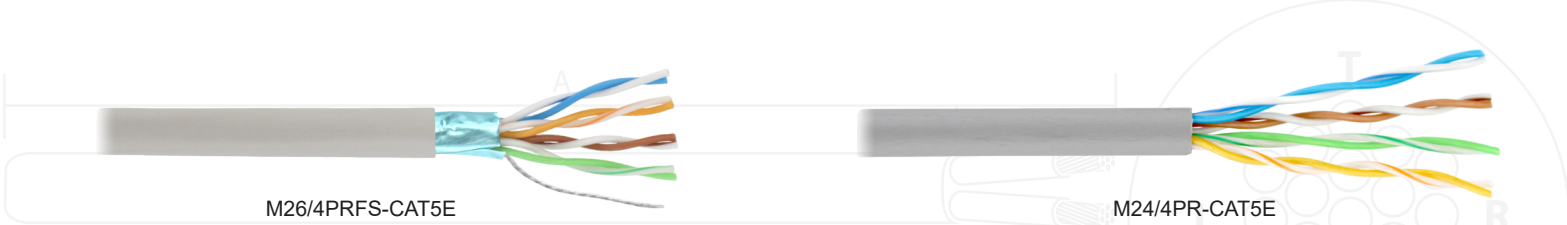


### Applications

-  Computer networks
-  Telephony signals
-  Video signals
-  Crosstalk prevention
-  Streaming devices

### Benefits

-  Speed of connection
-  Performance
-  Flexible
-  Durable
-  Easy to install
-  Multiple conductor option



PART NUMBER	TYPE OF SHIELDING	NO. OF PAIRS	AWG	JACKET COLOR	NEC	SIZE	WEIGHT LB/M
M24/4PR-CAT5E	UNSHIELDED	4	24 (SOLID BARE)	GREY	CM	1000 FT	26
M24/4PRS-CAT5E*	UNSHIELDED	4	24 (7/32 TINNED)	GREY	CMR/CMG	1000 FT	26
M26/4PRFS-CAT5E*	O/ALL SHIELD	4	26 (7/32 TINNED)	GREY	CMR	1000 FT	26

**Ordering Information:** Sold by the foot, minimum of 1000 ft.



ERJ-25



ERJ-45

PART NUMBER	DESCRIPTION OF PLUG	PIECES PER PACK
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**CAT 6 RJ-45 MODULAR PLUGS**

ERJ-25	6P6C (Six Position / Six Contact)	25 PER PACK
ERJ-45	8P8C (Eight Position / Eight Contact)	25 PER PACK

**Ordering Information:** Order by the pack.

### Wiring a 10BaseT / 100BaseT connector with Category cable using USOC Wiring Standards

568A and 568B are the most widely used standard for ethernet cables. If you wire both ends of your cable using 568B, you'll have a straight-through cable usable for most ethernet applications.

Wiring a cable with 568A on one end and 568B on the other will result in a Cross-Over cable for connecting two hubs, or two computers together.

#### EIA/TIA 568A Wiring Standard

PIN	Wire Color
1	White w/ Green Stripe
2	Green w/ White Stripe
3	White w/ Orange Stripe
4	Blue w/ White Stripe
5	White w/ Blue Stripe
6	Orange w/ White Stripe
7	White w/ Brown Stripe
8	Brown w/ White Stripe

For Cross over Cable Wiring  
Wire ONE end using 568B and  
one end as 568A  
(swap Orange and Green Pairs)

#### EIA/TIA 568B Wiring Standard

PIN	Wire Color
1	White w/ Orange Stripe
2	Orange w/ White Stripe
3	White w/ Green Stripe
4	Blue w/ White Stripe
5	White w/ Blue Stripe
6	Green w/ White Stripe
7	White w/ Brown Stripe
8	Brown w/ White Stripe

For Cross Over Cable Wiring  
Wire ONE end using 568B and  
one end as 568A  
(swap Orange and Green pairs)



**STEP 1:**

Cut the outer jacket of the wire about 1.5" to 2" from the end which gives you room to work with the wire pairs.

Separate the pairs and align them in the order shown above.

Begin flattening the wires into a "ribbon" so that it will easily slip into the connector and into the individual channeled areas.

**STEP 2:**

Once you have all the wires aligned and ready to insert, you must trim them to approximately 1/2" in order to have as little "untwisted" wire in the connection as possible.

Category Cable specifications require a certain number of twists per inch and even the connector counts!

**STEP 3:**

Insert the wires into the body of the connector making sure that each wire goes into the correct "channel" and extends all the way to the end of the connector underneath the gold connectors.

If the wires do not extend to the end of the connector, the crimp may not make contact.

**STEP 4:**

Press the cable and the jacket into the connector firmly so that the jacket will be crimped by the plastic wedge near the rear of the connector, insert it into your crimping tool and crimp the cable.

**RE-CRIMP** the cable to make sure all connections are made.

**STEP 5:**

Repeat steps 1 thru 4 for the other end of the cable for a standard ethernet cable.