BLACK BOX®
NETWORK SERVICES

CATEGORY 5 SUPER 350 ENHANCED (CAT5e) PATCH CABLES

Get 350-MHz performance! Plus eliminate cable kinks and bent pins— and reduce crosstalk.
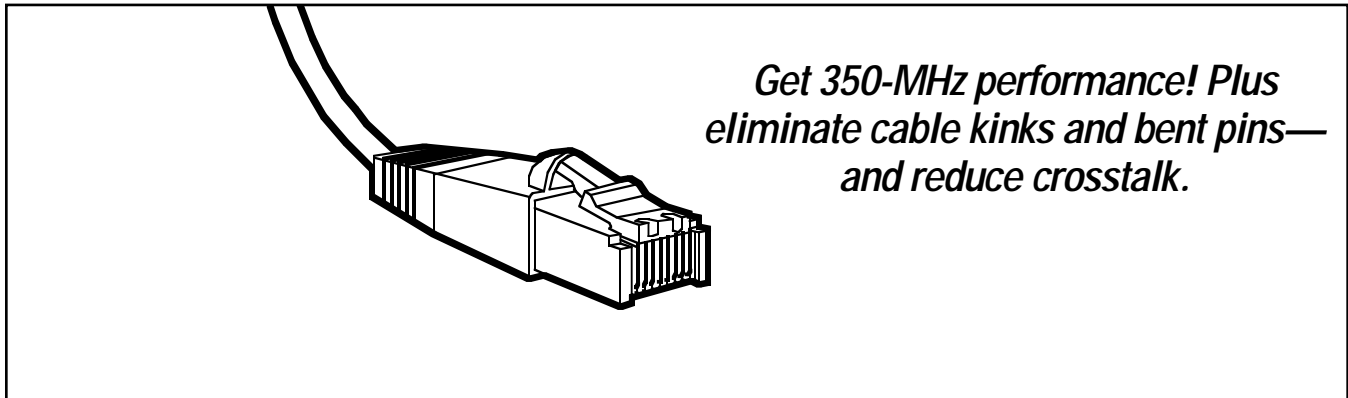
With a 350-MHz frequency range, these cables are ready for the next generation of LAN equipment.

Frequency (MHz)	4	8	10	16	25	31.3	62.5	100	155	200	310	350
Max. Attenuation (dB/100 m)	4.8	6.8	7.7	9.8	12.4	13.9	20.2	26.1	33.2	38.4	49.5	52.9
Min. NEXT (dB)	53	48	47	44	41	40	35	32	30	28	25	24

Key Features

▶ *The cables you need for frequent plugging and unplugging.*

▶ *Stranded cables stand up to bending.*

▶ *Colour cables make it easy to follow your wiring.*

▶ *Built to meet future application standards.*

▶ *Reduce crosstalk.*

There are monsters in your wiring closet.

They're like a many-headed hydra always snagging after you and disrupting your communications. What are they? Your old patch cables.

Triumph over beastly wiring with our CAT5™ Super 350 Enhanced (CAT5e) Colour Patch Cables.

Constructed from approved Level 6 cable, they feature molded, snag-free boots. Cable kinks and bent pins caused by frequent plugging into and unplugging from patch panels are eliminated—which means crosstalk is reduced.

These cables also provide more than triple the frequency range of ordinary Category 5 cables, which handle emerging 100-MHz applications. Because Enhanced Colour Patch Cables provide 350-MHz performance, think how long they'll work for you!
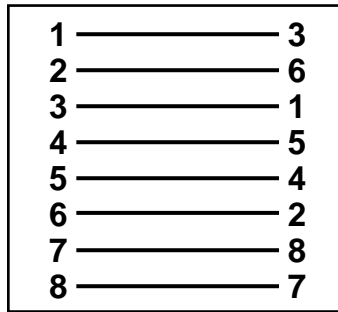
To find out more about these Cables, call Black Box Tech Support.
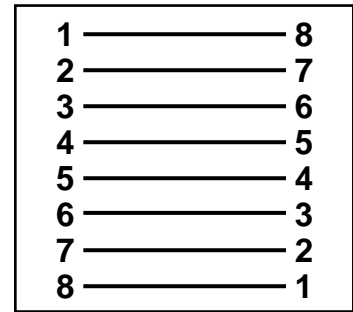
How the Cables Are Pinned and Paired . . .

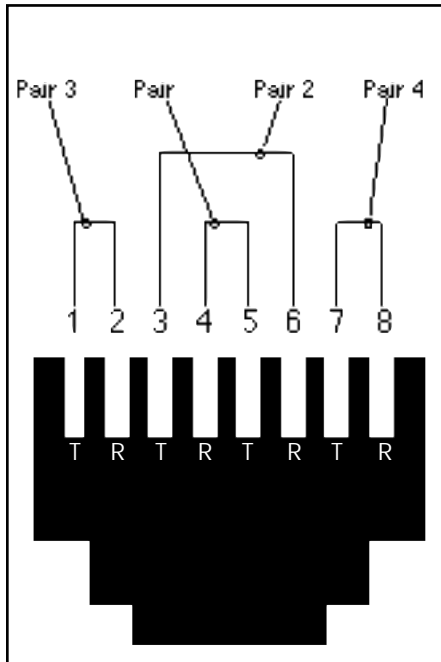## Pinouts
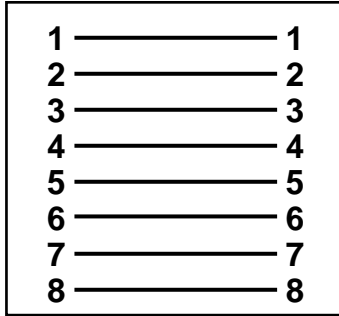
Straight-through pinning

RG568A and RG568B
Crossover Cable

USOC Crossover Cable

Pairing

RG568A Pairing
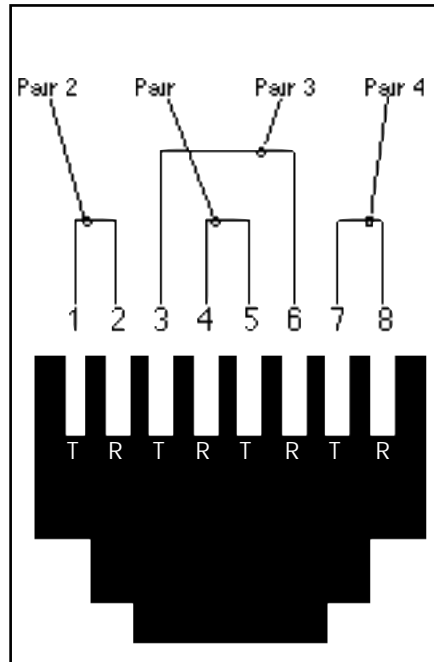
RG568B Pairing
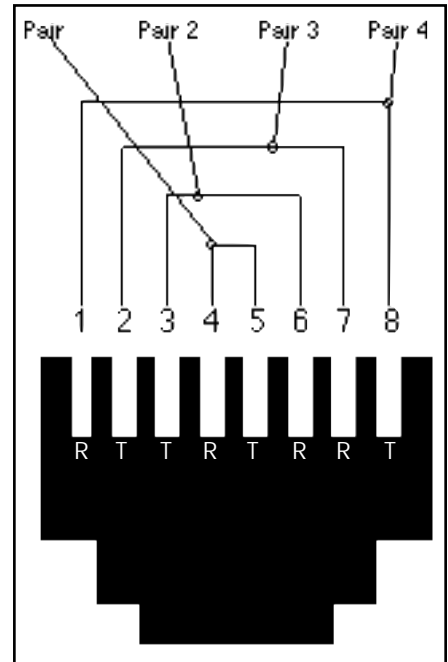
USOC Pairing

Standard 4-Pair Wiring Colour Codes

Pair 1	T	White/Blue		Pair 3	T	White/Green
	R	Blue/White			R	Green/White
Pair 2	T	White/Orange		Pair 4	T	White/Brown
	R	Orange/White			R	Brown/White

NOTE: For 6-wire jacks use pair 1, 2, and 3 colour codes. For 4-wire jacks use pair 1 and 2 colour codes.

Technically Speaking: Why stranded cable?

When you're making connections between a workstation and a wallplate, or anywhere else where you'll be running patch cables in the open through the office, you have to expect those cables to take a lot of abuse. They'll be plugged in and unplugged. They'll be pushed impatiently out of the way. They'll be shoved into corners and bent around desks.

Stranded cables stand up to that kind of abuse much better than solid-conductor cables, where the single conductor could easily break if you bend the cable too far.

The trade-off is that attenuation is higher in stranded cables than in solid cables. That's why it's best to use solid cables for the backbone cable in your network.

It's best, in fact, to keep lengths of stranded cable under 6 m (20 feet). Longer runs risk adding more attenuation to your system.

The bottom line: Use stranded cables like these wherever you have short runs of cable that need to survive the thousand natural shocks that cables are heir to. If you're planning a long run, use one of our solid-conductor cables—and make sure it's protected.

Ordering Information

CAT5® Super 350 Enhanced (CAT5e) Colour Patch Cables, 568B

Straight-Pinned	BLUE	GREEN	RED	YELLOW	PINK	BLACK	BEIGE
0.3-m (1-ft.)	EVNSL81-0001	EVNSL82-0001	EVNSL83-0001	EVNSL84-0001	EVNSL86-0001	EVNSL87-0001	EVNSL85-0001
0.9-m (3-ft.)	EVNSL81-0003	EVNSL82-0003	EVNSL83-0003	EVNSL84-0003	EVNSL86-0003	EVNSL87-0003	EVNSL85-0003
1.8-m (6-ft.)	EVNSL81-0006	EVNSL82-0006	EVNSL83-0006	EVNSL84-0006	EVNSL86-0006	EVNSL87-0006	EVNSL85-0006
3.0-m (10-ft.)	EVNSL81-0010	EVNSL82-0010	EVNSL83-0010	EVNSL84-0010	EVNSL86-0010	EVNSL87-0010	EVNSL85-0010
6.1-m (20-ft.)	EVNSL81-0020	EVNSL82-0020	EVNSL83-0020	EVNSL84-0020	EVNSL86-0020	EVNSL87-0020	EVNSL85-0020
Custom Lengths	EVNSL81	EVNSL82	EVNSL83	EVNSL84	EVNSL86	EVNSL87	EVNSL85

Crossover							
0.3-m (1-ft.)							EVCRB85-0001
0.9-m (3-ft.)							EVCRB85-0003
1.8-m (6-ft.)			*These colours are available as special orders. Call Technical Support.*				EVCRB85-0006
3.0-m (10-ft.)							EVCRB85-0010
6.0-m (20-ft.)							EVCRB85-0020
Custom Lengths							EVCRB85

CAT5® Super 350 Enhanced (CAT5e) Patch Cables, 568A

Straight-Pinned	BEIGE
0.3-m (1-ft.)	EVSA85-0001
0.9-m (3-ft.)	EVSA85-0003
1.8-m (6-ft.)	EVSA85-0006
3.0-m (10-ft.)	EVSA85-0010
6.0-m (20-ft)	EVSA85-0020
Custom Lengths	EVSA85

Crossover	BEIGE
0.3-m (1-ft.)	EVCRA85-0001
0.9-m (3-ft.)	EVCRA85-0003
1.8-m (6-ft.)	EVCRA85-0006
3.0-m (10-ft.)	EVCRA85-0010
6.0-m (20-ft.)	EVCRA85-0020
Custom Lengths	EVCRA85

CAT5® Super 350 Enhanced (CAT5e) Patch Cables, USOC

Straight-Pinned	BEIGE
0.3-m (1-ft.)	EVSU85-0001
0.9-m (3-ft.	EVSU85-0003
1.8-m (6-ft.)	EVSU85-0006
3.0-m (10-ft.)	EVSU85-0010
6.0-m (20-ft)	EVSU85-0020
Custom Lengths	EVSU85

Crossover	BEIGE
0.3-m (1-ft.)	EVCRU85-0001
0.9-m (3-ft.)	EVCRU85-0003
1.8-m (6-ft.)	EVCRU85-0006
3.0-m (10-ft.)	EVCRU85-0010
6.0-m (20-ft.)	EVCRU85-0020
Custom Lengths	EVCRU85

NOTE: Custom colours are available as special orders. Call Technical Support.