



WELCON CAT 6a CABLES:

10G Cat.6A cabling solution provides transmission performance that exceeds the industry standards for category 6 parameters and supports the operation of 10GBASE-T over 100-meter. 10G Cat.6A cabling solutions are qualified for frequencies up to 500 MHz

- Performance conforms to proposed Cat.6A channel requirement of TIA/EIA-568-B.2-10, Class EA ISO/IEC 11801, CENELEC EN 50173 and IEEE802.3an.
- Support T568 A& B wiring & Easy installation.

WELCON CAT 6a CABLES SPEC:

Part No.	Type	Conductor	Core Dimension/mm	No. of Pairs	Shielding	Nom OD/mm
CA3007	UTP	1/0.57	1.0	4	-	7.5
CA3008	SSTP	1/0.57	1.38	4	Al foil+Braid	7.5

WELCON CAT 6a CABLE DESCRIPTION:

Frequency MHz	Impedance Ohm	Attenuation dB/100m	Next dB	Next Sum dB
1	100±15	2	66	64
10		5.8	59	57
100		19	44	42
200		27.5	40	38
250		31	38	36
300		34.2	37	35
450		42.7	35	33
500		45.3	34	32



WELCON CAT 5e CABLE SPEC:

Structure:PE insulation,Free PVC or PVC Jacket
Standards:ISO/IEC 11801,ANSI/TIA/EIA-568A
Application:Used as work station outthe 100 Base-T4;100 Base-TX;100VG-Any LAN; 1000 Base-T (Gigabi Ethernet);155Mbps ATM;622Mbps ATM.

Part No.	Construction	Conductor (AWG)	Core Dimension/mm	No.Of Pairs	Shielding	Nom O.D./mm
CA3001	UTP	24 AWG	0.92	4	---	5.2
CA3002	FTP	24 AWG	0.96	4	Al foil	5.7
CA3003	SFTP	24 AWG	0.96	4	Al foil + Cu braid	6.0

WELCON CAT 6 CABLE SPEC:

Structure:PE insulation,Free PVC or PVC Jacket
Standards:ISO/IEC 11801,ANSI/TIA/EIA-568A
Application:Used as work station outthe 100 Base-T4;100 Base-TX;100VG-Any LAN; 1000 Base-T (Gigabi Ethernet);155Mbps ATM;622Mbps ATM.

Part No.	Construction	Conductor (AWG)	Core Dimension/mm	No.Of Pairs	Shielding	Nom O.D./mm
CA3004	UTP	23/24 AWG	0.95	4	---	6.2
CA3005	FTP	23/24 AWG	1.0	4	Al foil	6.5
CA3006	SSTP	23/24 AWG	1.2	4	Al foil + Cu braid	6.8

WELCON CAT 5e & CAT 6 CABLE DESCRIPTION:

Type Compli-ant	Frequency MHz	Impedance Ohm	Return Loss dB	Attenuation dB/100m	Next Worst Pair/dB	Next Power Sum/dB	ELFEXT Worst Pair/dB	ELFEXT Power Sum/dB	
CAT 6	0.772	100±15	19.4	1.8	67.0	64.0	66.0	63.0	
	1		20.0	2.0	65.3	62.3	63.8	60.8	
	4		23.0	4.1	56.3	53.3	51.7	48.7	
	8		24.5	5.6	51.8	48.8	46.7	42.7	
	10		25.0	6.5	50.3	47.3	43.8	40.8	
	16		25.0	8.2	47.3	44.3	39.7	36.7	
	20		25.0	9.3	45.8	42.8	37.7	34.7	
	25		24.3	10.4	44.3	41.3	35.8	32.8	
	31.5		23.6	11.7	42.9	39.9	33.9	30.9	
	62.5		21.5	17.0	38.4	35.4	27.6	24.8	
	100		20.1	22.0	35.3	32.3	23.8	20.8	
	200		100±22	18	29	39.8	37.8	21.8	18.8
	250		17.3	32.8	38.3	36.3	19.6	16.8	



CATEGORY 5e PATCH CABLE - ETL VERIFIED

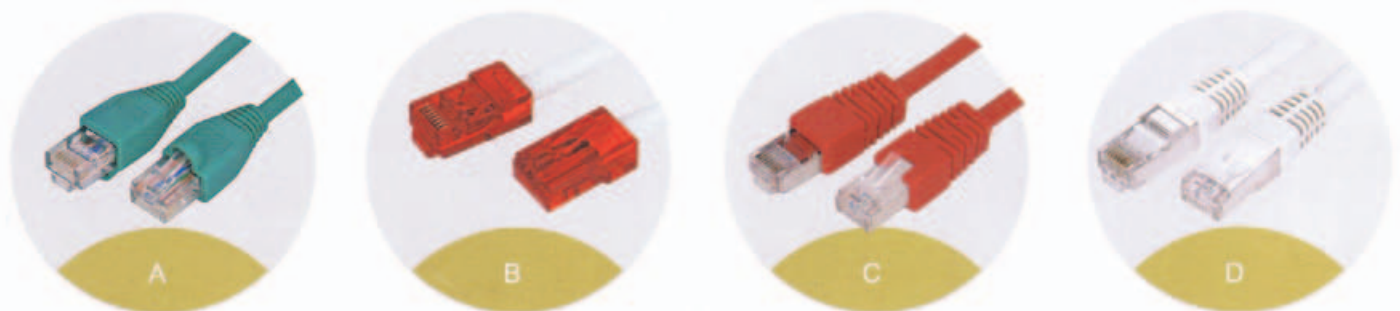
Bridge the gap in your workspace with Welcon's new snagless patch cables. Constructed with only top quality components, the colored hoods help keep things in your department organized. Strain relief minimizes the damage to the ends of the plugs by preventing the cable from being bent at sharp angles.

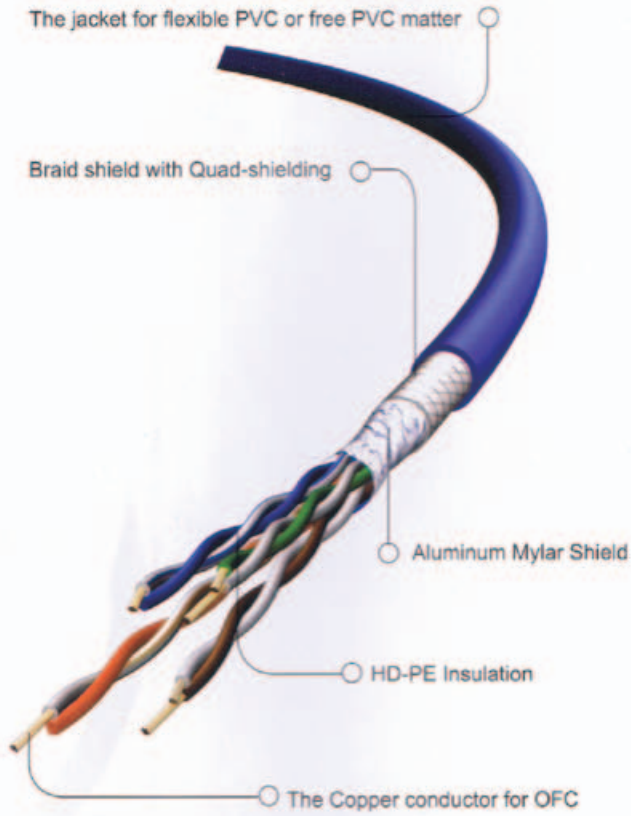
CAT 5e PATCH CORD CABLES

1	Sketch			
		<1>	Connector	RJ45, Unshield/shield Connector, With 1-50µ gold plate. PVC or Free PVC over molding.
2	PinOut	<2>	Model	PVC or Free PVC cover. No model
		<3>	Cable	Cat 5e cable, UL NO E258106, meet TIA/EIA-568-A
		<4>	568A-568A	Used to PC to Hub
		<5>	568B-568B	Used to PC to Hub
3	Packing	<6>	568A-568B	(Cross over), Used to PC to PC, Hub to Hub
		<7>	Bareness	
4	Test Frequency	<8>	PE packet	
		<9>	Plastic sheet	

From 1MHz to 100M Hz

MODELS:





WELCON CAT5e PATCH CORD SERIES CABLES

Model	Type	PinOut	Color
PC4001	UTP	Straight	568A-568A
PC4002	UTP	Straight	568B-568B
PC4003	UTP	Cross Over	568A-568B
PC4004	FTP	Straight	568A-568A
PC4005	FTP	Straight	568B-568B
PC4006	FTP	Cross Over	568A-568B
PC4007	SFTP	Straight	568A-568A
PC4008	SFTP	Straight	568B-568B
PC4009	SFTP	Cross Over	568A-568B





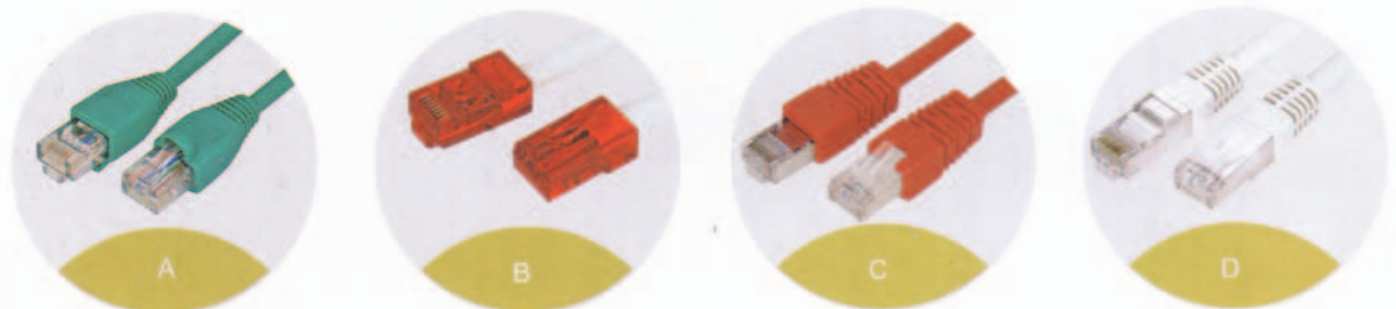
CATEGORY 6 PATCH CORD CABLE

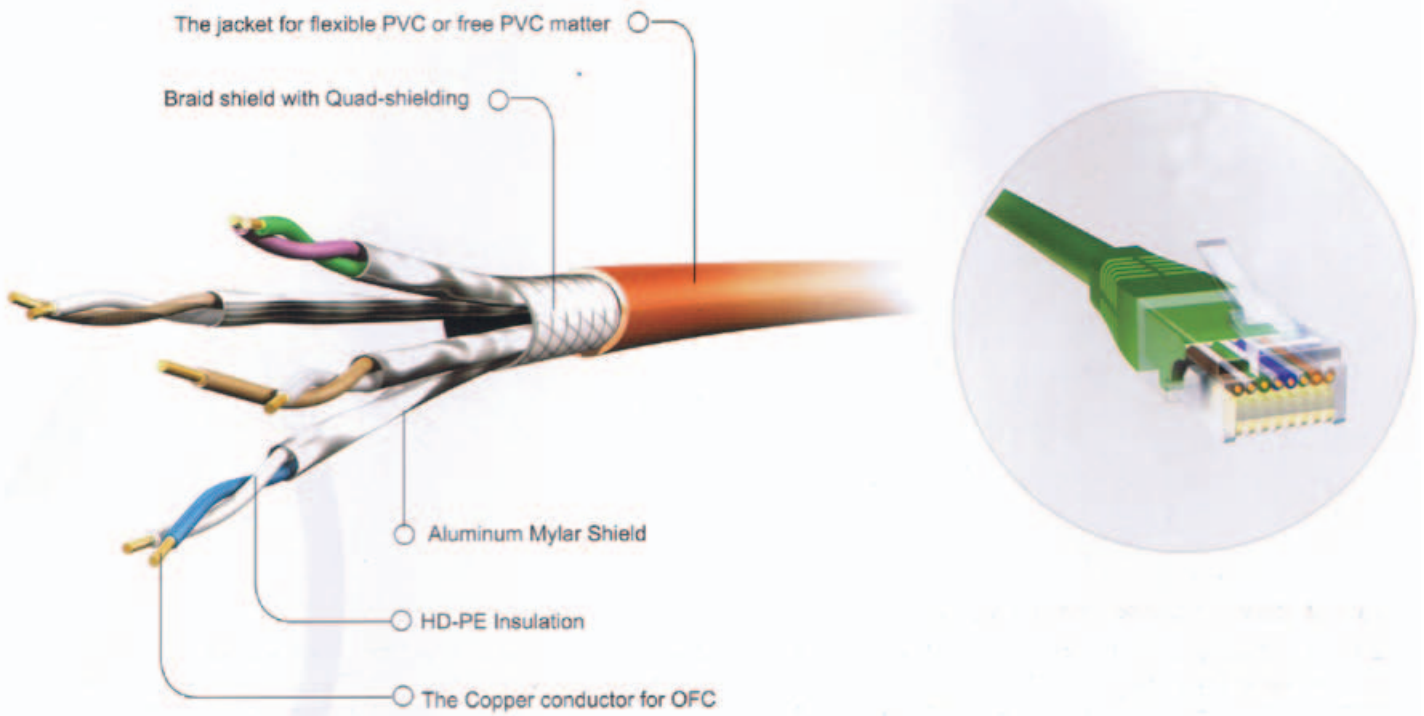
Welcon's Category 6 cables are the perfect way to connect your workspace's emerging gigabit networks. Category 6 cables improve upon the Category 5e specification by providing twice the available bandwidth (up to 500Mhz), and a signal-to-noise margin improvement that is sixteen times (12dB) better than that provided by Cat 5e. All of Broad's Cat 6 cables are constructed by our highly trained staff with only top quality components that ensure they meet Broad's strict standards for reliability.

CAT 6 PATCH CORD CABLES

1	Sketch			
		<1>	Connector	RJ45,Unshield/shield Connector,With 1-50µ gold plate. PVC or Free PVC over molding.
		<2>	Model	PVC or Free PVC cover.
		<3>	Cable	None Cat 6 cable,UL NO.E258106,meet TIA/EIA-568-A
2	PinOut	<1>	568A-568A	Used to PC to Hub
		<2>	568B-568B	Used to PC to Hub
		<3>	568A-568B	(Cross over).Used to PC to PC,Hub to Hub
3	Packing	<1>	Bareness	
		<2>	PE packet	
		<3>	Plastic sheet	
4	Test Frequency	From 1MHz to 250M Hz		

MODELS:





WELCON CAT 6 PATCH CORD SERIES CABLES

Model	Type		PinOut	Color
PC4010	UTP	Straight	568A-568A	Optional
PC4011	UTP	Straight	568B-568B	
PC4012	UTP	Cross Over	568A-568B	
PC4013	FTP	Straight	568A-568A	
PC4014	FTP	Straight	568B-568B	
PC4015	FTP	Cross Over	568A-568B	
PC4016	SSTP	Straight	568A-568A	
PC4017	SSTP	Straight	568B-568B	
PC4018	SSTP	Cross Over	568A-568B	

