

CAT5E NETWORK CABLE NETWORK CABLE

PART NUMBER: C5-XX-YYYY

*XX = LENGTH
*YYYY = COLOUR



PRODUCT DESCRIPTION

ALOGIC CAT5e snagless patch cables are ideal for transferring large volumes of voice, data, video and communications signals. Alogic CAT5e cables can help to improve the networks speeds by reducing impedance loss and network return loss. Each of the individual pairs of cables are bonded together to help maintain the twist-spacing throughout the line right up to the termination point. This design minimizes Near-End Crosstalk (NEXT) levels between them which leads to improved performance, low insertion loss and higher data rates. 24 AWG Copper cables and Gold plated connectors ensure crystal clear transmission and the custom designed snagless boot protects the cable from any damages during installation.

PRODUCT FEATURES

- All CAT5e cables are A-Tick compliant with ACMA requirements.
- Supports 10 Base-T, 100 Base-T, and 1000 Base-T Network.
- Constructed from high quality cable and a shortened body plug, this design minimizes Near-End Crosstalk (NEXT) levels.
- Available in 10 colours to easily colour-code your network installation.
- Meets and exceeds all CAT5e TIA/EIA-568-C.2 standards 50-micron gold-plated connectors to ensure clear transmissions.
- Snagless moulded connectors to protect the RJ45 retaining clips from damage during installation

PRODUCT SPECIFICATION

Wiring Scheme	T568A
Standard	Category 5e TIA/EIA-568-C.2
Connector	50 micron gold-plated RJ45
Temperature Rating	60°C
Voltage Rating	30V
Approvals	RoHS Compliant
Package Type:	Polybag
Jacket	PVC
Connector Type	8P8C (RJ45)
Conductor Type	24AWG (7/0.20), Stranded Bare Copper

GUARANTEE/WARRANTY

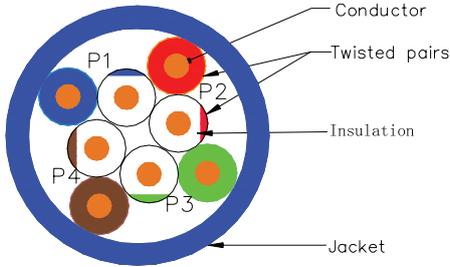
ALOGIC Serveredge products are manufactured at the highest standards using highest quality materials at an affordable price. This Alogic product sold by Serveredge comes with Lifetime warranty for that extra peace of mind. Subject to Serveredge Terms and Conditions*

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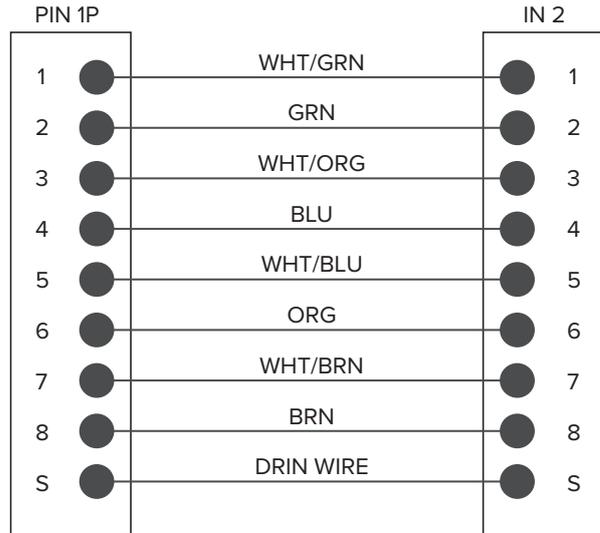
CABLE SPECIFICATIONS



Conductor	Stranded bare copper
4 Twisted Pair	8C
AWG	24
Construction (MM)	7/0.18
Stranded Dia.(MM)	0.6
Insulation	PE
Nom. Thickness (MM)	0.18
Insulation Dia.(±0.005)	0.92
Jacket	PVC
Nom. Thickness (MM)	0.6
Outer Dia.(±0.2MM)	5.4
Color	Insulation Cores:Pairs P1:Blue & White P2:Orange & White P3:Green & White P4:Brown & White Jacket
Conductor Resistance	140
Insulation Resistance	≥5000 M ohm*km
Voltage Endurance	Core--Core: 1.5 KV *60S Core--Jacket: 3.0 KV *60S
Mutual Capacitance	≤5.6nF

WIRING DIAGRAM

T568A WIRING DIAGRAM



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PERFORMANCE

Electrical Characteristics (20°C)

DIELECTRIC STRENGTH	AC-500V/1 MIN NO BREAKDOWN
D-C RESISTANCE UNBALANCE	MAX 2%
PAIR-TO-GROUND CAPACITANCE UNBALANCE	MAX. 330PF/100M
INPUT IMPEDANCE	4-100MHz 100+/-15ohm
MEAN CHARATRERISTIC IMPEDANCE@100MHZ	100+/-5 OHMS
NOMINALE VELOCITY OF PROPAGETION(NVP)	68+/-2%
PROPAGATION DELAY @ 100MHZ	≥537.6 ns/100M
PROPAGATION DELAY SKEW	MAX. ≥45ns/100M

PHYSICAL PROPERTIES

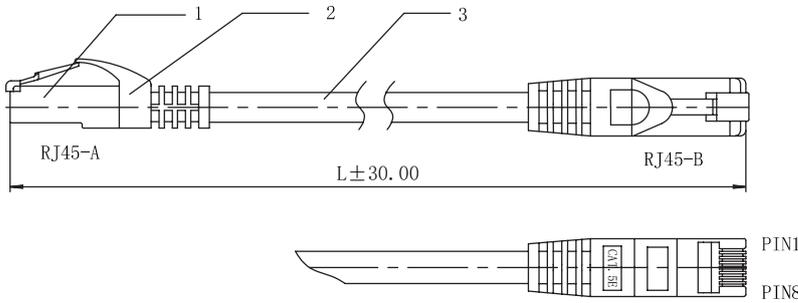
Insulation	Tens strength (before aging)	Kgf/mm ²	>1.68
	Tens strength (after aging)	Kgf/mm ²	
	Elongation (before aging)	%	>300%
	Elongation (after aging)	%	
Jacket	Tens strength (before aging)	Kgf/mm ²	>1.41
	Tens strength (after aging)	Kgf/mm ²	
	Elongation (before aging)	%	>100%
	Elongation (after aging)	%	
Insulation shrinkback	121°C x 1hr		
Insulation cold bend	20°C x 4hr		
Jacket cold bend	20°C x 4hr		
MAX.pulling	25lbs (11.34KG)		

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DESIGN



No.	Descriptions	Material	Q'ty
1	PLUG	RJ45 PLUG UNSHIELDED, 94V-2, GOLD 01u"	2
2	BOOT	MOLDING PVC	2
3	CABLE	CAT.5e UTP, 4P×24AWG(7*0.18MM), PVC	1

LENGTH=X

C5-0.3-YYYY	0.3m
C5-0.5-YYYY	0.5m
C5-01-YYYY	1m
C5-1.5-YYYY	1.5m
C5-02-YYYY	2m
C5-2.5-YYYY	2.5m
C5-03-YYYY	3m
C5-04-YYYY	4m
C5-05-YYYY	5m
C5-10-YYYY	10m
C5-15-YYYY	15m
C5-20-YYYY	20m
C5-25-YYYY	25m
C5-30-YYYY	30m

COLOUR=Y

C6-XX-Blue	
C6-XX-Black	
C6-XX-Grey	
C6-XX-White	
C6-XX-Green	
C6-XX-Orange	
C6-XX-Pink	
C6-XX-Purple	
C6-XX-Red	
C6-XX-Yellow	