

Category 6, 6A & 5e

Unshielded Twisted Pair Cable Rolls

Avalon cables are the best twisted-pair cables in the market for transmitting data over Local Area Networks (LAN). As streaming video and multimedia over LAN are gaining popularity, users demand faster data transmission and reduced waiting time. These cables are ideal for simple, cost-effective and high-speed transmission performance. They support a higher signal-to-noise ratio, providing better reliability for current applications and higher data rates for future applications. These cables meet and exceed all the Standards like ANSI/EIA-568B, ISO/IEC 11801: 2011, EN 50173 etc.

Cat.6 UTP Cable

Feature	Type	Value
Conductors	AWG	23
	Size(mm)	0.55
	Material	Solid Bare Copper
Insulators	Diameter(mm)	0.95±0.03mm
	Material	HDPE
Jacket	External O.D.	6.2 ± 0.4 mm
	Thickness (mm)	0.55+/-0.05
	Material	PVC / LSZH
Pulling Strength	Force	110N
Minimum Bend Radius		4 Times outer diameter
Operating Temperature	Celsius	-20° C to +75° C



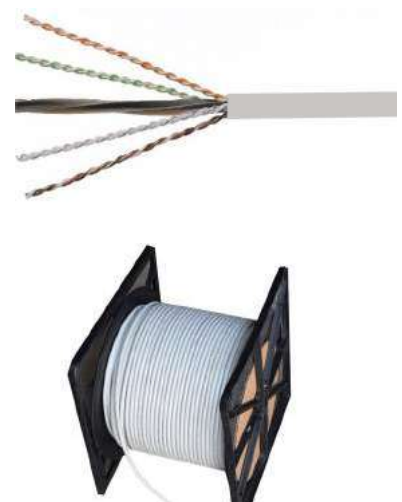
Ordering Information

Part No. *	Description	Length	Colour
ANC6UPXX23-305MT	CAT.6 UTP Cable-305 Meter	305 Meters	Grey*
ANC6UPXX23-305MT-LSZH	CAT.6 UTP Cable-305 Meter-LSZH	305 Meters	Grey*

* Change XX to GY for Grey, BL for Blue, WH for White, RD for Red, BK for Black, GR for Green or YL for Yellow colour

Cat.6A UTP Cable

Feature	Type	Value
Conductors	AWG	23
	Size(mm)	0.570
	Material	Solid Bare Copper
Insulators	Diameter(mm)	1.03±0.03mm
	Material	HDPE
Jacket	External O.D.	6.2 ± 0.4 mm
	Thickness (mm)	0.65+/-0.05
	Material	PVC / LSZH
Pulling Strength	Force	110N
Minimum Bend Radius		4 Times outer diameter
Operating Temperature	Celsius	-20° C to +75° C



Ordering Information

Part No. *	Description	Length	Colour
ANC6AUPXX23-305MT	CAT.6A UTP Cable -305 Meter	305 Meters	Grey*
ANC6AUPXX23-305MT-LSZH	CAT.6A UTP Cable -305 Meter-LSZH	305 Meters	Grey*

* Change XX to GY for Grey, BL for Blue, WH for White, RD for Red, BK for Black, GR for Green or YL for Yellow colour

Cat.5e UTP Cable

Feature	Type	Value
Conductors	AWG	23
	Size(mm)	0.55
	Material	Solid Bare Copper
Insulators	Diameter(mm)	0.95±0.03mm
	Material	HDPE
Jacket	External O.D.	6.2 ± 0.4 mm
	Thickness (mm)	0.55+/-0.05
	Material	PVC / LSZH
Pulling Strength	Force	110N
Minimum Bend Radius		4 Times outer diameter
Operating Temperature	Celsius	-20 C to +75° C



Ordering Information

Part No. *	Description	Length	Colour
ANC5EUPXX23-305MT	CAT.5EUTP Cable-305 Meter	305 Meters	Grey *
ANC5EUPXX23-305MT-LSZH	CAT.5E UTP Cable-305 Meter - LSZH	305 Meters	Grey *

* Change XX to GY for Grey, BL for Blue, WH for White, RD for Red, BK for Black, GR for Green or YL for Yellow colour

Category 6, 6A & 5e

Shielded Twisted Piar Cable Roll

Avalon cables are the best twisted-pair cables in the market for transmitting data over Local Area Networks(LAN). They support a higher signal-to-noise ratio,providing better reliability for current applications and higher data rates for future applications. An Aluminium tape is used to shield all the four pairs of cables giving screened protection against external interference such as EMI and improves external crosstalk.They meet and exceed standards like ANSI/TIA/EIA-568-C.2, ISO/IEC11801: 2011(Ed. 2.2), EN 50173-1:2011, IEC61935-2:2010(Ed.3.0) etc.

Cat.6 STP Cable

Feature	Type	Value
Conductors	AWG	23
	Size(mm)	0.565
	Material	Bare Copper
Insulators	Diameter(mm)	1.08 + 0.05mm
	Material	HDPE
Jacket	External O.D.	7.4+/-0.4 mm
	Thickness (mm)	0.60+/-0.05
	Material	PVC / LSZH
Shield	Material	Aluminium Foil
Pulling Strength	Force	110N
Minimum Bend Radius		4 Times outer diameter
Operating Temperature	Celsius	-20C to +75° C



Ordering Information

Part No. *	Description	Length	Colour
ANC6SPXX23-305MT	CAT.6 STP Cable - 305 Meter	305 Meters	Grey *
ANC6SPXX23-305MT-LSZH	CAT.6 STP Cable - 305 Meter - LSZH	305 Meters	Grey *

* Change XX to GY for Grey, BL for Blue, WH for White, RD for Red, BK for Black, GR for Green or YL for Yellow colour

Cat.6A STP Cable

Feature	Type	Value
Conductors	AWG	23
	Size(mm)	0.50
	Material	Solid Bare Copper
Insulators	Diameter(mm)	1.02 + 0.02mm
	Material	HDPE
Jacket	External O.D.	5.0+/-0.3
	Thickness (mm)	0.50+/-0.05
	Material	PVC / LSZH
Sheath	Material	Aluminium Tape
Pulling Strength		110N
Minimum Bend Radius		4 Times outer diameter
Operating Temperature	Celsius	-20° C to +75 C



Ordering Information

Part No. *	Description	Length	Colour
ANC6ASPXX23-305MT	CAT.6A STP Cable-305 Meter	305 Meters	Grey *
ANC6ASPXX23-305MT-LSZH	CAT.6A STP Cable-305 Meter - LSZH	305 Meters	Grey *

* Change XX to GY for Grey, BL for Blue, WH for White, RD for Red, BK for Black, GR for Green or YL for Yellow colour

Cat.5e STP Cable

Feature	Type	Value
Conductors	AWG	23
	Size(mm)	0.50
	Material	Solid Bare Copper
Insulators	Diameter(mm)	1.00 + 0.03mm
	Material	HDPE
Jacket	External O.D.	6.2+ -0.4 mm
	Thickness (mm)	0.55+/-0.05
	Material	PVC / LSZH
Sheath	Material	Aluminium Tape
Pulling Strength		110N
Minimum Bend Radius		4 Times outer diameter
Operating Temperature	Celsius	-20° C to +75 C



Ordering Information

Part No. *	Description	Length	Colour
ANC5ESPXX23-305MT	CAT.5E STP Cable-305 Meter	305 Meters	Grey *
ANC5ESPXX23-305MT-LSZH	CAT.5E STP Cable-305 Meter-LSZH	305 Meters	Grey *

* Change XX to GY for Grey, BL for Blue, WH for White, RD for Red, BK for Black, GR for Green or YL for Yellow colour

Category 6, 6A & 5e

Unshielded Twisted Pair Patch Cords

Avalon unshielded patch cords have been designed for high speed data transmission over Local Area Networks (LAN) upto ATM 622 Mbps and for Gigabit Ethernet 1000 Mbps applications. These patch cords exceed performance requirements specified by the ANSI/TIA/EIA -568B.2 / TIA/EIA - 568C.2, EN50173-1:2011, ISO/IEC11801:2011 (Ed. 2.2) and IEC 60603 -7-4 standards etc.

Cat.6 UTP Patch Cords

Feature	Value
Insulation Material	HDPE
Conductor and Metal	7 Bare Copper Wires, 24 AWG
No of Pairs	4
Jacket	PVC/LSZH , UL94V-0
Plugs	RJ-45 8P8C
Contact	Gold plated : 30U"
Contact blade	Phosphor Bronze
Molded Boot	Fire Retardant PVC/LSZH
Fire Resistant	CMG Specifications



Ordering Information

Part No. *	Description
ANC6UPXX-YYMT	Avalon CAT.6 UTP Patch Cord
ANC6UPXX -YYMT-LSZH	Avalon CAT.6 UTP Patch Cord - LSZH

* XX - Colour - Grey (GL), Blue (BL), White (WH), Red (RD), Black (BK), Green (GR) or Yellow (YL) color.
 YY - Length - 0.5m, 1.0m, 2.0m, 3.0m, 5.0m,.....10m...15m...30 meters etc

Cat.6A UTP Patch Cords

Feature	Value
Insulation Material	HDPE
Conductor and Metal	7 Bare Copper Wires, 26 AWG
No of Pairs	4
Jacket	PVC/LSZH , UL94V-0
Plugs	RJ-45 8P8C
Contact	Gold plated : 30U"
Contact blade	Phosphor Bronze
Molded Boot	Fire Retardant PVC/LSZH
Fire Resistant	CMG Specifications



Ordering Information

Part No. *	Description
ANC6AUPXX-YYMT	Avalon CAT.6A UTP Patch Cord
ANC6AUPXX-YYMT-LSZH	Avalon CAT.6A UTP Patch Cord - LSZH

* XX - Colour -- Grey (GL), Blue (BL), White (WH), Red (RD), Black (BK), Green (GR) or Yellow (YL) color.
 YY -Length - 0.5m, 1.0m, 2.0m, 3.0m, 5.0m,.....10m...15m...30 meters etc.

Cat.5e UTP Patch Cords

Feature	Value
Insulation Material	HDPE
Conductor and Metal	7 Bare Copper Wires, 24 AWG
No of Pairs	4
Jacket	PVC/LSZH , UL94V-0
Plugs	RJ-45 8P8C
Contact	Gold plated : 30U"
Contact blade	Phosphor Bronze
Molded Boot	Fire Retardant PVC/LSZH
Fire Resistant	CMG Specifications



Ordering Information

Part No. *	Description
ANC5EUPXX-YYMT	Avalon CAT. 5E UTP Patch Cord
ANC5EUPXX-YYMT-LSZH	Avalon CAT. 5E UTP Patch Cord , LSZH

* XX - Colour - Grey (GL), Blue (BL), White (WH), Red (RD), Black (BK), Green (GR) or Yellow (YL) color.
YY - Length - 0.5m, 1.0m, 2.0m, 3.0m, 5.0m,.....10m...15m...30 meters etc.

Category 6, 6A & 5e

Shielded Twisted Pair Patch Cords

Avalon shielded patch cords have been designed for high speed data transmission over local area Networks (LANs) upto ATM 622 Mbps and for Gigabit Ethernet 1000 Mbps applications. These cables exceed performance requirements specified by the ANSI/TIA/EIA -568B.2 /TIA/E IA-568C.2, EN 50173-1:2011,ISO/IEC11801:2011(Ed. 2.2) and IEC 60603 -7-4 standards etc. An Aluminium tape is used to shield all the four pairs of cables giving screened protection against external interference such as EMI and improves external crosstalk

Cat.6 STP Patch Cords

Feature	Value
Insulation Material	HDPE
Conductor and Metal	7 Bare Copper Wires, 24 AWG
No of Pairs	4
Jacket	PVC/LSZH , UL94V-0
Plugs	RJ-45 8P8C
Contact	Gold plated : 30U"
Contact blade	Phosphor Bronze
Molded Boot	Fire Retardant PVC/LSZH
Fire Resistant	CMG Specifications
Cable Shield	Aluminum Mylar for individual pair and overall braided shield



Ordering Information

Part No. *	Description
ANC6SPXX-YYMT	Avalon CAT.6 STP Patch Cord
ANC6SPXX-YYMT-LSZH	Avalon CAT.6 STP Patch Cord, LSZH

* XX - Colour - Grey (GL), Blue (BL), White (WH), Red (RD), Black (BK), Green (GR) or Yellow (YL) color.
YY - Length - 0.5m, 1.0m, 2.0m, 3.0m, 5.0m,.....10m...15m...30 meters etc.

Cat.6A STP Patch Cords

Feature	Value
Insulation Material	HDPE
Conductor and Metal	7 Bare Copper Wires, 26 AWG
No of Pairs	4
Jacket	PVC/LSZH , UL94V-0
Plugs	RJ-45 8P8C
Contact	Gold plated : 30U"
Contact blade	Phosphor Bronze
Molded Boot	Fire Retardant PVC/LSZH
Cable Shield	Aluminum Mylar for individual pair and overall braided shield



Ordering Information

Part No. *	Description
ANC6ASP-XXMT	Avalon CAT.6A STP Patch Cord
ANC6ASP-XXMT-LSZH	Avalon CAT.6A STP Patch Cord, LSZH

* XX - Colour – Grey (GL), Blue (BL), White (WH), Red (RD), Black (BK), Green (GR) or Yellow (YL) color.

YY -Length - 0.5m, 1.0m, 2.0m, 3.0m, 5.0m,.....10m....15m....30 meters etc

Cat.5e STP Patch Cords

Feature	Value
Insulation Material	HDPE
Conductor and Metal	7 Bare Copper Wires, 24 AWG
No of Pairs	4
Jacket	PVC/LSZH , UL94V-0
Plugs	RJ-45 8P8C
Contact	Gold plated : 30U"
Contact blade	Phosphor Bronze
Molded Boot	Fire Retardant PVC/LSZH
Cable Shield	Aluminum Mylar for individual pair and overall braided shield



Ordering Information

Part No. *	Description
ANC5ESP-XXMT	Avalon CAT.5E STP Patch Cord
ANC5ESP-XXMT-LSZH	Avalon CAT.5E STP Patch Cord , LSZH

* XX - Colour - Grey (GL), Blue (BL), White (WH), Red (RD), Black (BK), Green (GR) or Yellow (YL) color.

YY - Length - 0.5m, 1.0m, 2.0m, 3.0m, 5.0m,.....10m...15m...30 meters etc.

Category 6, 6A & 5e Unshielded Patch Panels



Avalon 24 and 48 Port Patch Panels are the industry's high-quality Panels that support the latest technologies and diverse applications. These panels combine strength and durability with a sleek look, making them ideal for all kinds of environments. These comply with ANSI/TIA-568B-2, ISO/IEC 11801 and EN 50173-1 Class E specifications. The complete module complies with EU ROHS directive. The construction is in standard 19" size, suits for all 19" rack installations and they accept Cat.6, Cat.6A or Cat.5E Keystone Jacks. Numerical Markings on the front side make it easier to use.

Specifications

Features	Values
Size	19" 1U or 2U
IDC Accept	Accepts AWG 22-26 AWG
Housing	ABS 94V-0
IDC Body	PC UL94-V0
Metal Sheet	Corrosion Resistant Steel Sheet
Plastic	Fire Self Extinguish High Impact Plastic
IDC Contact	Phosphor Bronze with 50U gold plating on contact area.
Wire Scheme	T568A/B
Insulation Resistance	500Ω
Current Rating	1.5Amps
DC Resistance	0.1 ohm MAX
Voltage	150 VAC MAX
Plug Retention Force	89N
Specifically Design	With Two PCB Panel & Tool less
Insertion life	≥1000 mating cycles
Plug /Jack Contact Force	100g min
Humidity	5 to 93%(non condensing)
Operation Temperature	-40° to 70°C
Thickness of cold-rolled steel	1.5mm

Ordering Information

Part No.	Description
ANC6UPP-24	CAT.6 Unshielded 24 Port Patch Panels, 1U
ANC6UPP-48	CAT.6 Unshielded 48 Port Patch Panels, 2U

Part No.	Description
ANC6AUPP-24	CAT.6A Unshielded 24 Port Patch Panels , 1U
ANC6AUPP-48	CAT.6A Unshielded 48 Port Patch Panels , 2U

Part No.	Description
ANC5EUPP-24	CAT.5E Unshielded 24 Port Patch Panels ,1U
ANC5EUPP-48	CAT.5E Unshielded 48 Port Patch Panels , 2U

Category 6, 6A & 5e Shielded Patch Panels



Avalon 24 and 48 port shielded keystone patch panels comes with a design which has redefined engineering elegance. It has complete metal shielded connector structure that includes the front panel, the metal case and the cable management plate. The cable management plate comes with pre-fitted B-Clip that helps in routing cables and provides a perfect strain relief. The front panel has white colour printed for identification of ports. The keystones snap fit on the metal case and can be removed easily whenever required. These comply with ANSI/TIA-568B-.2, ISO/IEC 11801 and EN 50173-1 Class E specifications. The complete module complies with EU ROHS directive. The construction is in standard 19" size which suits all 19" rack installations and these accept Cat.6, Cat.6A or Cat.5E shielded keystone jacks. Numerical marking on the front side make them very easy to use.

Specifications

Feature	Description
Wire Scheme	T568A/B
Insulation Resistance	500Ω
Current Rating	1.5Amps
DC Resistance	0.1 ohm MAX
Voltage	150 VAC MAX
Contact Material	Phosphor Bronze – With Gold-plated 3u-50u
Contact Thickness	0.5 mm
IDC Contact Plating	Tin Plating
IDC Housing	PC +Glass Fiber
IDC Compatibility	22 to 26 AWG
Jack Contact Material	Phosphor Bronze - With Gold-plated 3u-50u
Shield	50U Nickel plated over phosphor bronze
Printed Circuit Board	FR4 94V-0
Operation Temperature	-400 to 700C
Thickness of cold-rolled steel	1.5mm

Ordering Information

Part No.	Description
ANC6SPP-24	CAT.6 Shielded 24 Port Patch Panel, 1U
ANC6SPP-48	CAT.6 Shielded 48 Port Patch Panel, 2U

Part No.	Description
ANC6ASPP-24	CAT.6A Shielded 24 Port Patch Panel ,1U
ANC6ASPP-48	CAT.6A Shielded 48 Port Patch Panel, 2U

Part No.	Description
ANC5ESPP-24	CAT.5E Shielded 24 Port Patch Panel ,1U
ANC5ESPP-48	CAT.5E Shielded 48 Port Patch Panel, 2U

Category 6 & 5e

Unloaded/Blank Patch Panel

Feature	Description
Size	19" 1U or 2U
IDC Accept	Accepts AWG 22-26 AWG
RJ45	Housing Nylon 8P8C 50U gold plated
IDC Design	Suitable for Krone and 110 Punch Tools
IDC Body	UL94-V0
Metal Sheet	Corrosion Resistant Steel Sheet
Plastic	Fire Self Extinguish High Impact Plastic
Operation Temperature	-40° to 70°C



Ordering Information

Part No.	Description
AN24PP-BL	24 Port Blank Patch Panel , 1U
AN48PP-BL	48 Port Blank Patch Panel , 2U

UTP Keystone Jacks - Category 6, 6A & 5e

Avalon 180° and 90° Jacks are designed and manufactured to meet the current and future requirements of high bandwidth and forms an essential element of the structured cabling system. The jacks snap easily in and out of wall outlets, surface mount boxes and patch panels. These comply with TIA/EIA-568-C.2 specifications.

Cat.6 UTP Keystone Jacks

Feature	Value
Housing	High-impact Flame Retardant Polycarbonate, UL94V-0
Spring Wire	Phosphor Bronze With Gold-plated 3u 50u
IDC Contact	Phosphor Bronze
Insertion life	≥1000 mating cycles
Operating Temperature Range	-60 to 80
IDC Accept	22-26 AWG
Wire Scheme	T568A/B
Insulation Resistance	500Ω
Current Rating	1.5Amps
DC Resistance	0.1 ohm MAX
Voltage	150 VAC MAX
Plug Retention Force	89N
RJ45	8P 8C 50u Punch Down Jacks



Ordering Information

Part No. *	Value
ANC6UPKJ-180	CAT.6 UTP 180° Keystone Jack
ANC6UPKJ-90	Cat.6 UTP 90° Keystone Jack

* Standard Product comes in White Color. For keystone Jacks of other colors add RD (Red), Green(GR), YL(Yellow), Blue(BL), Grey(GY), Black(BK) after the Part Number.

Cat.6A UTP Keystone Jacks

Feature	Value
Housing	High-impact Flame Retardant Polycarbonate,UL94V-0
Spring Wire	Phosphor Bronze With Gold-plated 3u 50u
IDC Contact	Phosphor Bronze
Insertion life	≥1000 mating cycles
Operating Temperature Range	-60 to 80
IDC Accept	22-26 AWG
Wire Scheme	T568A/B
Insulation Resistance	500Ω
Current Rating	1.5Amps
DC Resistance	0.1 ohm MAX
Voltage	150 VAC MAX
Plug Retention Force	89N
RJ45	8P 8C 50u Punch Down Jacks



Ordering Information

Part No. *	Value
ANC6AUPKJ-180	CAT.6A UTP 180° Keystone Jack
ANC6AUPKJ-90	Cat.6A UTP 90° Keystone Jack

* Standard Product comes in White Color. For keystone Jacks of other colors add RD (Red), Green(GR),YL(Yellow), Blue(BL), Grey(GY), Black(BK) after the Part Number.

Cat 5e UTP Keystone Jacks

Feature	Value
Housing	High-impact Flame Retardant Polycarbonate,UL94V-0
Spring Wire	Phosphor Bronze With Gold-plated 3u 50u
IDC Contact	Phosphor Bronze
Insertion life	≥1000 mating cycles
Operating Temperature Range	-60 to 80
IDC Accept	22-26 AWG
Wire Scheme	T568A/B
Insulation Resistance	500Ω
Current Rating	1.5Amps
DC Resistance	0.1 ohm MAX
Voltage	150 VAC MAX
Plug Retention Force	89N
RJ45	8P 8C 50u Punch Down Jacks
Jack Shield	Zinc Die Casting



Ordering Information

Part No. *	Value
ANC5EUPKJ-180	CAT.5E UTP 180° Keystone Jack
ANC5EUPKJ-90	CAT.5E UTP 90° Keystone Jack

* Standard Product comes in White Color. For keystone Jacks of other colors add RD (Red), Green (GR), YL (Yellow), Blue (BL), Grey (GY), Black (BK) after the Part Number

STP Keystone Jacks - Category 6, 6A & 5e

Avalon 180° and 90° Jacks are designed and manufactured to meet the current and future requirements of high bandwidth and forms an essential element of the structured cabling system. The Jacks snap easily in and out of wall outlets, surface mount boxes and patch panels. These comply with TIA/EIA-568-C.2 specifications.

Cat.6 STP Keystone Jacks

Feature	Value
Housing	High-impact Flame Retardant Polycarbonate,UL94V-0
Spring Wire	Phosphor Bronze With Gold-plated 3u 50u
IDC Contact	Phosphor Bronze
Insertion life	≥1000 mating cycles
Operating Temperature Range	-60 to 80
IDC Accept	22-26 AWG
Wire Scheme	T568A/B
Insulation Resistance	500Ω
Current Rating	1.5Amps
DC Resistance	0.1 ohm MAX
Voltage	150 VAC MAX
Plug Retention Force	89N
RJ45	8P 8C 50u Punch Down Jacks
Jack Shield	Zinc Die Casting



Ordering Information

Part No. *	Value
ANC6SPKJ-180	CAT.6 STP 180° Keystone Jack
ANC6SPKJ-90	Cat.6 STP 90° Keystone Jack

* Standard Product comes in White Color. For keystone Jacks of other colors add RD (Red), Green (GR), YL (Yellow), Blue (BL), Grey (GY), Black (BK) after the Part Number.

Cat.6a STP Keystone Jacks

Feature	Value
Housing	High-impact Flame Retardant Polycarbonate,UL94V-0
Spring Wire	Phosphor Bronze With Gold-plated 3u 50u
IDC Contact	Phosphor Bronze
Insertion life	≥1000 mating cycles
Operating Temperature Range	-60 to 80
IDC Accept	22-26 AWG
Wire Scheme	T568A/B
Insulation Resistance	500Ω
Current Rating	1.5Amps
DC Resistance	0.1 ohm MAX
Voltage	150 VAC MAX
Plug Retention Force	89N
RJ45	8P 8C 50u Punch Down Jacks
Jack Shield	Zinc Die Casting



Ordering Information

Part No. *	Value
ANC6ASPKJ-180	CAT.6A STP 180° Keystone Jack
ANC6ASPKJ-90	Cat.6A STP 90° Keystone Jack

* Standard Product comes in White Color. For keystone Jacks of other colors add RD (Red), Green(GR),YL(Yellow), Blue(BL), Grey(GY), Black(BK) after the Part Number.

Cat.5e STP Keystone Jacks

Feature	Value
Housing	High-impact Flame Retardant Polycarbonate,UL94V-0
Spring Wire	Phosphor Bronze With Gold-plated 3u 50u
IDC Contact	Phosphor Bronze
Insertion life	≥1000 mating cycles
Operating Temperature Range	-60 to 80
IDC Accept	22-26 AWG
Wire Scheme	T568A/B
Insulation Resistance	500Ω
Current Rating	1.5Amps
DC Resistance	0.1 ohm MAX
Voltage	150 VAC MAX
Plug Retention Force	89N
RJ45	8P 8C 50u Punch Down Jacks
Jack Shield	Zinc Die Casting



Ordering Information

Part No. *	Value
ANC5ESPKJ-180	CAT.5e STP 180° Keystone Jack
ANC5ESPKJ-90	Cat.5e STP 90° Keystone Jack

* Standard Product comes in White Color. For keystone Jacks of other colors add RD (Red), Green(GR),YL (Yellow), Blue(BL), Grey(GY), Black(BK) after the Part Number.

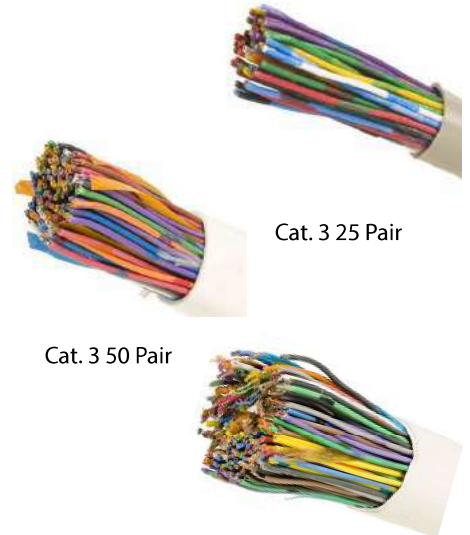
Voice Solutions

Multi-Core Cables

Avalon Cat.3 UTP 2 Pair, 10 Pair, 25 Pair, 50 Pair and 100 Pairs Telephone Cables are made for riser telephone cabling applications as per TIA/EIA-568-C.2, ISO/IEC 11801:2011 edition 2.2 and EN 50173:201 standards. These are constructed with 24 gauge solid bare copper conductors placed inside a PVC jacket. The color coding is very dark and easily distinguished to make for easy punch-down, even in low light conditions.

Specifications

Feature	Description
Insulation	Semi - rigid PVC
Jacket	Flame Retardant Chrome PVC with sequential footage markings
Ripcord	Applied longitudinally under jacket
Operating Temperatures	-10c to +60c
Voltage Rating	300 volts
Conductors	Solid bare copper
Conductor Diameter	24 AWG
Insulated Conductor Diameter	0.90mm nominal
Insulated Cable Diameter	3.5mm-20.40mm based on number of pairs
Jacket Thickness	0.5mm to 1.60mm based on number of pairs
Outer Jacket for Outdoor Cable Only	PE



Cat. 3 100 Pair

Ordering Information

Part No. *	Description
ANC3UP-X	Cat.3 Indoor Voice Cable
ANC3UP-X-O	Cat.3 Outdoor Voice Cable

* X – No: of Pairs: 02,10, 25, 50, 100 Pairs

Voice Patch Panel

Avalon 25 Port and 50 Port Cat.3 Voice Patch Panels are high-quality Panels that support terminations of voice backbone cabling (vertical) and are designed to utilize minimum rack space by supporting 25 Ports (1U) and 50 Ports (2U) of rack space. These panels support both 1 and 2 pair connectivity for analog/digital telephone services via PABX or for the distribution of direct lines.

Specifications

Feature	Description
Size	19" 1U or 2U
IDC Accept	Accepts AWG 22-26 AWG
Metal Sheet	Corrosion Resistant Steel Sheet
IDC Contact	Phosphor Bronze with 50U gold plating on contact area.
Wire Scheme	T568A/B
Insulation Resistance	500Ω
Current Rating	1.5Amps
DC Resistance	0.1 ohm MAX
Voltage	150 VAC MAX
Plug Retention Force	89N
Specifically Design	With Two PCB Panel & Toolless
Insertion life	≥1000 mating cycles
Plug /Jack Contact Force	100g min
Humidity	5 to 93%(non condensing)
Operation Temperature	-40 to 70 C
Thickness of cold-rolled steel	1.5mm



Ordering Information

Part No.	Description
ANC3VPP-25	25 Port Voice Patch Panel
ANC3VPP-50	50 Port Voice Patch Panel

LSA Module

Avalon LSA profile connection/disconnection modules are designed for telecommunication and data communication networks especially to be used in MDF , IDF , cross connection cabinets and DPs. These modules decrease the risk of poor termination and increase the wiring productivity. The disconnection modules have two piece contacts normally closed which incorporate a disconnection facility and give the advantage of individual pair disconnection and four wire test access. The connection modules have a one piece contact providing a continuous link between permanent wiring and jumper wiring, giving provision for monitoring access and over voltage.

Features

- Gas tight connection with self-cleaning contact
- Two wires per contact
- One push wire insertion
- No wire-stripping , screw and solder free
- Only one inexpensive tool required



Specifications

- Material-Plastic Parts ABS or PBT
- Flammability -UL94V-0
- Dimension - 124 mm x 21 mm x 30 mm
- IDC Type - Krone or 110
- IDC contact blade - phosphor bronze or tin brass with silver plating (0.5 µm)
- IDC contact positioning - 45° angle across wire axis
- Internal Dia. of connectable solid wire - 0.35 - 0.9 mm (26-20 AWG)
- Outer Dia. of connectable solid wire - 0.68 -1.5 mm with PE, PVC, LSZH Insulation
- Outer Dia. of connectable stranded wire - (7 Tin Coated Strands) up to 2.1 mm (28-20 AWG)
- Wire insulation diameter - 0.7 - 1.6 mm (PE & PVC Ins)
- No of equal wire per contact - Max. 2

Applications

- Suitable for use in all communication networks (POTS, DSL and IP networks)
- VDSL2-capable
- Used in outdoor enclosures with restricted space for cable termination

Ordering Information

Part No.	Description
ANKC-10	10 Pair Connection Module
ANKDC-10	10 Pair Disconnection Module

Distribution Box

Avalon distribution boxes are used in various voice and telecommunication applications. These are suitable for indoor and outdoor purposes.

Specifications

- Material for Indoor: ABS material
- Material for Outdoor : IP45 water proof design, UV cured

Ordering Information

Part No. *	Description
ANX-DB-I	Indoor Distribution Box
ANX-DB-O	Outdoor Distribution Box

* X –No: of Pairs –10,30, 50, 100, 400...800 or 1200 Pairs etc.



Accessories

Faceplate

Avalon faceplates are manufactured using fire retardant materials and are known for safety and durability. They are available in 1 and 2 ports for different applications and usages. Each of them delivers a high speed signal for all high speed desktop applications. They accept Cat3, Cat5e and Cat 6 UTP keystones to fit with different performance requirements. They also perfectly blend into the decor of the home or office and protect the network connections.

Specifications

Feature	Value
Type	UK Style with shutter against dust and labeling plate.
I.D. Plate	Polycarbonate, UL94V-2 transparent color.
Face plate	ABS, UL94V-0, with white color.
Dust Cover	ABS, UL94V-0, with white color
Screw	M3.5XL25.0mm
Directive	RoHS certified



Ordering Information

Part Number	Description	Dimensions
AN-WSFP-1P	Flat ShutterSingle Port RJ45 Faceplate , British	86X86mm
AN-WSFP-2P	Flat ShutterDualPort RJ45 Faceplate , British	86X86mm
AN-BVFP-86	UK Euro Angled Beveled Frame - Smooth Surface	86X86mm
AN-BVFP-50	UK Euro Single Port RJ45 Beveled Faceplate	50X25mm
AN-BVFP-50-2P	UK Euro Dual Port RJ45 Beveled Faceplate	50X25mm
AN-BVA-25	Angular Keystone Adapter	25X50mm
AN-SA-25	Straight Keystone Adapter	25X50mm
AN-BA-25	Blank Adapter	25X50mm
AN-BA-12	Blank Adapter	12X50mm

Back Box

Avalon back boxes are manufactured using fire retardant materials and are known for safety and durability. Each of them delivers a high speed signal for all high speed desktop applications. They also perfectly blend into the decor of the home or office and protect the network connections.

Specifications

Feature	Value
Type	For UK Style Faceplate
Box	ABS, UL94-HB, with white color
Screw Nut	M3.5xL7.0mm
Screw	M3.5X25.0x7.0 mm
Screw	M3.5X19.0X7.5mm
Directive	RoHS certified



Ordering Information

Part No.	Description	Dimensions
AN86-BB	Back Box	86X86mm

Plugs and Boots

Avalon Plug Covers help stop damage from dirt and debris for open RJ45 ports and unused plugs. These RJ45 covers protect your valuable ports and cables. Made from flexible PVC, these covers attach easily and stay in place with a snug friction fit. Jack covers feature a low profile knob making for easy removal when the port is needed again. Plug covers also protect the delicate locking tab on modular plugs. Packaged in bags of 100 pieces and shipped from a vast stock for large projects.

Specifications

Feature	Value
Fit for	RJ45 Connectors
Color	Yellow, Black, Blue, Grey, White Red etc
Material	Plastic
Package Content	100 Pcs



Ordering Information

Part No. *	Description
ANCBXX	Avalon Cable Boot

* XX denotes Color, Change XX for RD (Red), YL (Yellow), BL (Blue), BK (Black), GR (Green), GY (Grey)

RJ45 Connectors

Avalon RJ45 Connectors are designed for today's high performance networks. A superior two-prong contact design works for both solid and stranded conductors. An integrated strain relief boot holds the cable in the proper position while crimping and provides protection to the cable connection after installation.

Specifications

Feature	Value
Housing	Polycarbonate, 94V - 2, transparent color
Contact terminal	Phosphor bronze 30 micro-inch gold plating, over 50 micro inch Nickel plated on contact area
Operating temperature	-40°C to 80°C
Cable to plug tensile strength	7.7 Kg
Terminates	24-26 AWG stranded wires
Wiring Scheme	T568A/T568B



Ordering Information

Part No	Description	Quantity per bag
ANC6URJ45	Cat.6 Unshielded Modular Plug	100
ANC6SRJ45	Cat.6 Shielded Modular Plug	100
ANC6AURJ45	Cat.6A Unshielded Modular Plug	100
ANC6ASRJ45	Cat.6A Shielded Modular Plug	100
ANC5EURJ45	Cat.5E Unshielded Modular Plug	100
ANC5ESRJ45	Cat.5E Shielded Modular Plug	100