



# CATALOG

CAT5E, CAT6, CAT6A, ACCESSORIES, TOOL & TESTER

# UTP

**NEW  
2014**

<b>CAT 5E</b>	<b>INDEX</b>
• Category 5e (350 MHz) U/UTP Cables	1
• Category 5e (350 MHz) U/UTP Outdoor Cables	2
• Category 5e (350 MHz) F/UTP Cables	3
• Category 5e Patch Panels	4
• Category 5e Special Patch Panels	4
• Category 5e RJ45 Modular Jacks	5
• Category 5e In-Line Couplers	5
• Category 5e Patch Cords	6
• Category 5e RJ45 Modular Plugs	6
• Modular Plug Boots (CAT 5E)	6
<b>CAT 6</b>	
• Category 6 Ultra (600MHz) U/UTP Cables	7
• Category 6 Ultra (600MHz) U/UTP Outdoor Cables	8
• Category 6 Ultra (600MHz) F/UTP Cables	9
• Category 6 Patch Panels	10
• Category 6 Special Patch Panels	10
• Category 6 RJ45 Modular Jacks	11
• Category 6 In-Line Couplers	11
• Category 6 Patch Cords	12
• Category 6 RJ45 Modular Plugs	12
• Category 6 Locking Plug Boots	12
<b>CAT 6A</b>	
• Category 6A (750MHz) U/UTP Cables	13
• Category 6A (500MHz) U/FTP Cables	14
• Category 6A (650MHz) F/UTP Cables	15
• Category 6A Patch Panels	16
• Category 6A RJ45 Modular Jacks	17
• Category 6A In-Line Couplers	17
• Category 6A Patch Cords	18
<b>ACCESSORIES</b>	
• Velcro Strap	18
• Face Plates with Icon & ID Label	19
• Face Plates with Shutter, Icon & ID Label	19
• Shiny White Face Plate	19
• Face Plate Changers	20
• Wall Boxes	20
• Surface Mounted Boxes	20
• Unload Patch Panels	21
• Cable Management Panels	21
• 19" Extensible Wall Mounted Bracket	21
• Multimedia Panel	22
• Multimedia Inserts Module	22
• POP UP with RJ45 Modular Jacks	23
• Waterproof Connector	23
<b>TOOL &amp; TESTER</b>	
• Fast Jack and Plug Termination Tools	24
• RJ45, RJ11 & 4 Pos Professional Crimp Tools	24
• RJ45, RJ11 & 4 Pos Hand Set Crimp Tools	24
• Impact Tool with Blade 110	24
• LAN Professional Set of Tools and Tester	25
• UTP Cable Tester	25
• NET Finder 25 & Tester	25
• NET Toner & Probe kit	25

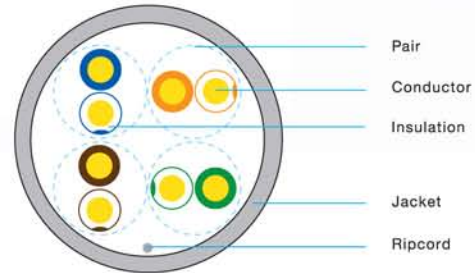
# Category 5e (350 MHz) U/UTP Cables

## STANDARD

- ANSI/TIA-568-C.2 Category 5E
- ISO/IEC 11801:2002 Class D
- EN 50173-1 Category 5E
- ICEA S-90-661 Category 5E
- EN 50288-3-1, NEMA WC 63.1
- IEC 61156-5, ASTM D4566-98, IEC 60332-1
- UL/CSA Listed CM, CMR, CMP and LSZH
- ETL and 3P Verified to TIA-568-C.2 CAT 5E
- UL E197771, INTERTEK, RoHS Compliant

## APPLICATION

- 1000 BASE-T ( IEEE 802.3ab Gigabit Ethernet )
- 100 BASE-TX ( IEEE 802.3u Fast Ethernet )
- 10 BASE-T ( IEEE 802.3 Ethernet )
- 155/622Mbps and 1.2Gbps ATM
- 4/16 Mbps Token Ring
- POE, POE+ ( IEEE 802.3af, IEEE 802.3at )
- TP-PMD, TPDDI, ISDN, VoIP
- Analog & Digital Voice, Digital & Analog Video



## ELECTRICAL CHARACTERISTICS

<b>Impedance</b>	: 100±15Ω, 1 MHz to 350 MHz
<b>Mutual Capacitance</b>	: 5.6 nFMax / 100m
<b>Capacitance, Unbalance</b>	: 160 pF Max / 100m
<b>DC Resistance</b>	: 9.38 ohm Max/100m
<b>DC Resistance, Unbalance</b>	: 5% Max.
<b>Insulated Resistance</b>	: 5000 MΩ/Km
<b>Dielectric Strength</b>	: 1kV/min
<b>Propagation Delay</b>	: 536 ns/100m Max @350MHz
<b>Delay Skew</b>	: 25 ns Max

## CONSTRUCTION / MATERIAL

<b>Conductor</b>	: 24AWG Solid/Stranded Bare Copper
<b>Insulation</b>	CM, CMR, LSZH : HDPE CMP : FEP
<b>Ripcord</b>	: Under Jacket
<b>Jacket</b>	CM, CMR : FRPVC CMP : FRPVC (Low Smoke) LSZH : LSZH

FREQUENCY (MHZ)	INSERTION LOSS (dB/100m)	NEXT MIN.(dB)	ACR MIN.(dB)	PS.NEXT MIN.(dB)	PS.ACR MIN.(dB)	ELFEXT MIN.(dB/100m)	PS.ELFEXT MIN.(dB/100m)	RL MIN.(dB)
1	2.0	77	75	75	73	68	65	20.0
25	9.5	56	46.5	54	44.5	40	37	24.3
31.25	10.7	55	44.3	53	42.3	38	35	23.6
62.5	15.4	50	34.6	48	32.6	32	29	21.5
100	19.8	47	27.2	45	25.2	28	25	20.1
155	25.3	44	18.7	42	16.7	24	21	18.8
200	29	43	14	41	12	22	19	18.0
250	32.8	41	8.2	39	6.2	20	17	17.3
300	36.6	40	3.4	38	1.4	18	15	16.8
350	40	39	N.A	37	N.A	17	14	16.3

## MECHANICAL PROPERTIES

<b>Minimum Bending Radius</b>	Install : 8 X Cable Diameter After Install : 4 X Cable Diameter
<b>Tensile Strength</b>	110 N (25lbf)
<b>Ultimate Breaking Strength</b>	>400 N (90lbf)
<b>Installation / Operating temperature</b>	-20°C to 60°C
<b>Storage Temperature</b>	-20°C to 80°C

Part No.	UL/NEC Flame Rating	Conductor	Jacket	Diameter (mm.)	Color	Packaging
US-9015	CMR	24AWG Solid Bare Copper	FRPVC	5.3	White	305m/Pull Box
US-9015LSZH	LSZH	24AWG Solid Bare Copper	LSZH	5.3	White	305m/Pull Box
US-9015P	CMP	24AWG Solid Bare Copper	FRPVC (LS)	5.3	White	305m/Pull Box
US-9015CM	CM	24AWG Solid Bare Copper	FRPVC	5.3	White	305m/Pull Box
US-9025	CM	24AWG Stranded Bare Copper	FRPVC	5.5	White	305m/Pull Box
US-9015-1	CMR	24AWG Solid Bare Copper	FRPVC	5.3	White	100m/Color Box

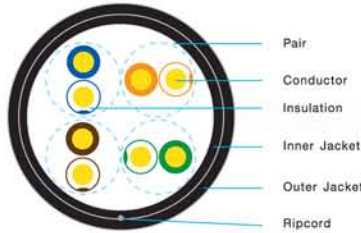


## STANDARD

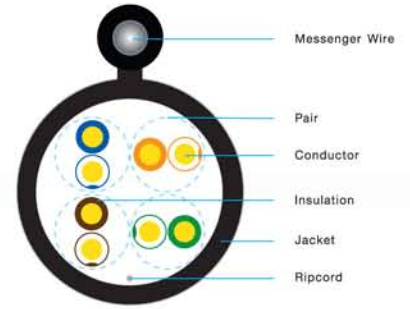
- ANSI/TIA-568-C.2 Category 5E
- ISO/IEC 11801:2002 Class D
- EN 50173-1 Category 5E
- ICEA S-90-661 Category 5E
- EN 50288-3-1, NEMA WC 63.1
- IEC 61156-5, ASTM D4566-98
- UL444, CMX, NEC800
- UL E197771, RoHS Compliant

## APPLICATION

- 1000 BASE-T (IEEE 802.3ab Gigabit Ethernet)
- 100 BASE-TX (IEEE 802.3u Fast Ethernet)
- 10 BASE-T (IEEE 802.3 Ethernet)
- 155/622Mbps and 1.2Gbps ATM
- 4/16 Mbps Token Ring
- POE, POE+ (IEEE 802.3af, IEEE 802.3at)
- TP-PMD, TPDDI, ISDN, VoIP
- Analog & Digital Voice, Digital & Analog Video



US-9045



US-9015M

## ELECTRICAL CHARACTERS

<b>Impedance</b>	: 100±15Ω, 1 MHz to 350 MHz
<b>Mutual Capacitance</b>	: 5.6 nFMax / 100m
<b>Capacitance, Unbalance</b>	: 160 pF Max / 100m
<b>DC Resistance</b>	: 9.38 ohm Max/100m
<b>DC Resistance, Unbalance</b>	: 5% Max.
<b>Insulated Resistance</b>	: 5000 MΩ/Km
<b>Dielectric Strength</b>	: 1kV/min
<b>Propagation Delay</b>	: 536 ns/100m Max @350MHz
<b>Delay Skew</b>	: 25 ns Max

## FEATURES/CONSTRUCTION

<b>Conductor</b>	: 24AWG Solid Bare Copper
<b>Insulation</b>	: HDPE
<b>Ripcord</b>	: Under Jacket
<b>Jacket</b>	: PE
<b>Messenger Wire</b>	: Galvanize Steel Wire, 1.3mm for US-9015M

FREQUENCY (MHZ)	INSERTION LOSS (dB/100m)	NEXT MIN.(dB)	ACR MIN.(dB)	PS.NEXT MIN.(dB)	PS.ACR MIN.(dB)	ELFEXT MIN.(dB/100m)	PS.ELFEXT MIN.(dB/100m)	RL MIN.(dB)
1	2.0	77	75	75	73	68	65	20.0
25	9.5	56	46.5	54	44.5	40	37	24.3
31.25	10.7	55	44.3	53	42.3	38	35	23.6
62.5	15.4	50	34.6	48	32.6	32	29	21.5
100	19.8	47	27.2	45	25.2	28	25	20.1
155	25.3	44	18.7	42	16.7	24	21	18.8
200	29	43	14	41	12	22	19	18.0
250	32.8	41	8.2	39	6.2	20	17	17.3
300	36.6	40	3.4	38	1.4	18	15	16.8
350	40	39	N.A	37	N.A	17	14	16.3

## MECHANICAL PROPERTIES

**Minimum Bending Radius**

Install 8 X Cable Diameter

After Install 4 X Cable Diameter

**Tensile Strength**

9.7 MPa (1400 PSI) for US-9045

16.5 MPa (2400 PSI) for US-9015M

**Installation / Operating temperature**

-40°C to 75°C

**Storage Temperature**

-40°C to 80°C

Part No.	UL/NEC Flame Rating	Conductor	Jacket	Diameter (mm.)	Color	Packaging
US-9045	CMX	24AWG Solid Bare Copper	PVC/PE	6.8	Black	305m/Reel in Box
US-9015M	CMX	24AWG Solid Bare Copper	PE	5.5(8.8)	Black	305m/Reel in Box

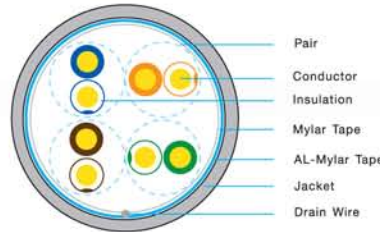
# Category 5e (350 MHz) F/UTP Cables

## STANDARD

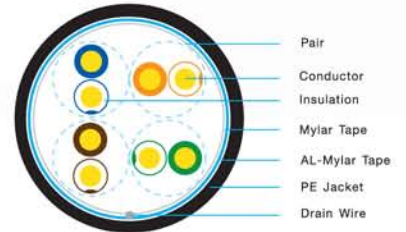
- ANSI/TIA-568-C.2 Category 5E
- ISO/IEC 11801:2002 Class D
- EN 50173-1 Category 5E
- ICEA S-90-661 Category 5E
- EN 50288-3-1, NEMA WC 63.1
- IEC 61156-5, ASTM D4566-98, IEC 60332-1
- UL/CSA Listed CM, CMR, CMP and LSZH
- ETL and 3P Verified to TIA-568-C.2 CAT 5E
- UL E197771, INTERTEK, RoHS Compliant

## APPLICATION

- 1000 BASE-T (IEEE 802.3ab Gigabit Ethernet)
- 100 BASE-TX (IEEE 802.3u Fast Ethernet)
- 10 BASE-T (IEEE 802.3 Ethernet)
- 155/622Mbps and 1.2Gbps ATM
- 4/16 Mbps Token Ring
- POE, POE+ (IEEE 802.3af, IEEE 802.3at)
- TP-PMD, TPDDI, ISDN, VoIP
- Analog & Digital Voice, Digital & Analog Video



US-9035



US-9035PE



## ELECTRICAL CHARACTERISTICS

<b>Impedance</b>	: 100±15Ω, 1 MHz to 350 MHz
<b>Mutual Capacitance</b>	: 5.6 nFMax / 100m
<b>Capacitance, Unbalance</b>	: 160 pF Max / 100m
<b>DC Resistance</b>	: 9.38 ohm Max/100m
<b>DC Resistance, Unbalance</b>	: 5% Max.
<b>Insulated Resistance</b>	: 5000 MΩ/Km
<b>Dielectric Strength</b>	: 1kV/min
<b>Propagation Delay</b>	: 536 ns/100m Max @350MHz
<b>Delay Skew</b>	: 25 ns Max

## CONSTRUCTION / MATERIAL

<b>Conductor</b>	: 24AWG Solid/Stranded Bare Copper
<b>Insulation</b>	CM, CMR, LSZH, CMX : HDPE CMP : FEP
<b>Mylar</b>	: Mylar Tape
<b>Drain Wire</b>	: Tinned Copper
<b>Shielded</b>	: AL-Mylar Tape
<b>Jacket</b>	CM, CMR : FRPVC CMP : FRPVC (Low Smoke) LSZH : LSZH CMX : PE

FREQUENCY (MHZ)	INSERTION LOSS (dB/100m)	NEXT MIN.(dB)	ACR MIN.(dB)	PS.NEXT MIN.(dB)	PS.ACR MIN.(dB)	ELFEXT MIN.(dB/100m)	PS.ELFEXT MIN.(dB/100m)	RL MIN.(dB)
1	2.0	77	75	75	73	68	65	20.0
25	9.5	56	46.5	54	44.5	40	37	24.3
31.25	10.7	55	44.3	53	42.3	38	35	23.6
62.5	15.4	50	34.6	48	32.6	32	29	21.5
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250	32.8	41	8.2	39	6.2	20	17	17.3
300	36.6	40	3.4	38	1.4	18	15	16.8
350	40	39	N.A	37	N.A	17	14	16.3

## MECHANICAL PROPERTIES

**Minimum Bending Radius**

Install 8 X Cable Diameter

After Install 4 X Cable Diameter

**Tensile Strength**

110 N (25lbf)

**Ultimate Breaking Strength**

>400 N (90lbf)

**Installation / Operating temperature**

-20°C to 60°C (-40°C to 75°C for Outdoor)

**Storage Temperature**

-20°C to 80°C (-40°C to 80°C for Outdoor)

Part No.	UL/NEC Flame Rating	Conductor	Jacket	Diameter (mm.)	Color	Packaging
US-9035	CMR	24AWG Solid Bare Copper	FRPVC	6.1	White	305m/Pull Box
US-9035LSZH	LSZH	24AWG Solid Bare Copper	LSZH	6.1	White	305m/Pull Box
US-9035P	CMP	24AWG Solid Bare Copper	FRPVC(LS)	6.1	White	305m/Pull Box
US-9035PE	CMX	24AWG Solid Bare Copper	PE	6.5	Black	305m/Reel in Box
US-9065	CM	26AWG Stranded Bare Copper	FRPVC	5.7	White	305m/Pull Box

# Category 5e Patch Panels

LINK Category 5e (CAT 5E) Patch Panels are use for high speed LAN'S at transmission rates up to 1000 Mbps (Gigabit Ethernet). The transmission characteristics exceeds the requirement of ANSI/TIA-568-C.2 Category 5e specification.

The Panel is Aluminum Light Weight Steel with Hair Line Classic Shine. The Patch Panels are Utilized a printed Circuit Board technology to balanced signal transmission of Insertion Loss and CrossTalk from 1 MHz to 100 MHz. Design new version of Dual 110 IDC and 45 KRONE terminal Block with durable. The Patch Panel supplies with Cable Management Support Bar and cable tie in colorful box. The color coding recommend T568B wiring pattern and also allows for universal termination in either the T568A or T568B wiring pattern.

## SPECIFICATION



Standard	: ANSI/TIA-568-C.2 Category 5e, ISO/IEC-11801:2002 Class D and EN50173-1
Application	: IEEE802.3, 1000Base-T, 10/100Base-TX, 4/16 Token ring, 155/622 and 1.2G ATM, POE, ISDN, VoIP and other
Wiring Pattern	: T568B / T568A Universal Color Pattern
Panel	: Aluminum light weight steel with hair line classic shine
Label	: White Paper insert within clear plastic cover
Cable Organizing	: Cable Support Bar and Cable Ties
Jack Contact	: Phosphor Bronze with over 50 micro-inches gold plating
Termination Block	: Dual Type 110IDC or KRONE Connecting tools, UL94V-0 ABS
Termination Material	: Phosphor Bronze with tin over 100 micro-inches nickel under plated
Durability	: 800 mating cycles (Modular Jack) 200 termination cycles (110 IDC Block)
Accept Wire Size	: 26AWG - 22AWG Solid & Stranded Wire
Approvals	: UL Listed E196947 and Intertek Channels Test
Certified	: Lead-free & RoHS Compliant by TUV



A



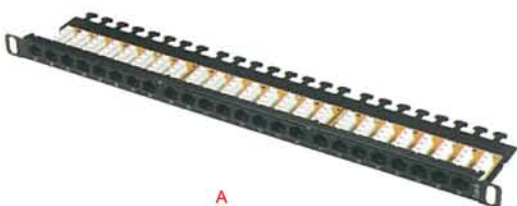
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Part No.	Description	Height	Figure
US-3024	CAT 5E PATCH PANEL 24 PORT With Support Bar	1.75" (1U)	A
US-3048	CAT 5E PATCH PANEL 48 PORT With Support Bar	3.50" (2U)	B

## Category 5e Special Patch Panels

The Patch Panels come T568A and T568B wiring and fully comply with ANSI/TIA-568-C.2 specifications for Insertion loss (Attenuation), Near-End Crosstalk (NEXT), Return Loss, and Far-End Crosstalk (FEXT) for data transmissions of any pair combination with frequencies up to 100MHz.

Half-U and High density patch panels are most useful commonly used at the cross-connect area for switches to the distribution side of the network, and can be save the area to mounted on 19" EIA racks or cabinets.



A



B

Part No.	Description	Height	Figure	Cable Management
US-3025	CAT 5E, HALF-U PATCH PANEL 24 PORT	0.875" (0.5U)	A	included
US-3049	CAT 5E, HIGH DENSITY PATCH PANEL 48 PORT	1.75" (1U)	B	included

# Category 5e RJ45 Modular Jacks

LINK Category 5e (CAT 5E) RJ45 Jacks are performance exceed ANSI/TIA-568-C Category 5e requirements and UL approve file No. E196947. The Jacks accept 26-22 AWG solid conductor and combine two wiring of T568A/B (Universal color pattern) for easy installation. The Unshield Jacks 110 IDC terminal block is design for 110 impact tool which can be protect of dust by cover cap for long life warranty.

## SPECIFICATION



Standard	: ANSI/TIA-568-C.2 Category 5e, ISO/IEC-11801:2002 Class D and EN-50173-1
Application	: IEEE802.3, 1000Base-T, 10/100Base-TX, 4/16 Token ring, 155/622 and 1.2G ATM, POE, ISDN, VoIP and other
Product Type	: RJ45 Jack with cover caps
Wiring Pattern	: T568B/T568A Universal Color Pattern
Housing Material	: High Impact Flame Retardant Plastic
Housing Flammability Rating	: UL94V-0 ABS
Jack Contact	: Phosphor Bronze with over 50 micro-inches gold plating
Termination Block	: 90° & 180° 110 IDC , UL94V-0 Polycarbonate
Termination Material	: Phosphor Bronze with tin over 100 micro-inches nickel under plated
Durability	: 800 mating cycles (Modular Jack) 200 termination cycles (110 IDC Block)
Tool Free (Tooless Type)	: 180° IDC, UL94V-0 ABS
Shield Cover (Shield Type)	: 50-60 micro-inches Nickels Plating over Phosphor Bronze
Accept Wire Size	: 26AWG - 22AWG Solid & Stranded Wire
Approvals	: UL Listed E196947 and Intertek Channels Test
Certified	: Lead-free & RoHS Compliant by TUV



A



B



C



D

Part No.	Description	Type	Figure	Color
US-1005SCX	CAT 5E RJ45 COLORFUL JACK, SLIM TYPE	Unshield	A	X
US-1005	CAT 5E RJ45 MODULAR JACK, ORIGINAL	Unshield	B	Ivory
US-1005STF	CAT 5E RJ45 BLUE JACK, SLIM TOOL FREE	Unshield	C	Blue
US-1013	CAT 5E RJ45 MODULAR JACK	Half-shield	D	White/Metallic
US-1013TF	CAT 5E RJ45 MODULAR JACK, TOOL FREE	Full-shield	-	Metallic

X Color = 1 (White), 2 (Red), 3 (Green), 4 (Blue), 5 (Yellow)

## Category 5e In-Line Couplers

LINK In-Line Couplers provide a 180 Jack to Jack Splice. Couplers are available in eight position RJ45 Styles and comply with Category 5e (CAT 5E) ANSI/TIA-568-C.2 Performance requirements with UL Listed. LINK In-Line Couplers are universal standards for all RJ45 Modular Plug.

## SPECIFICATION

Standard	: ANSI/TIA-568-C.2 Category 5e, ISO/IEC-11801:2002 Class D and EN50173-1
Product Type	: RJ45 JACK to RJ45 JACK
Color	: White / Metallic with LINK logo
Certified	: Lead - free & RoHS Compliant by TUV



A



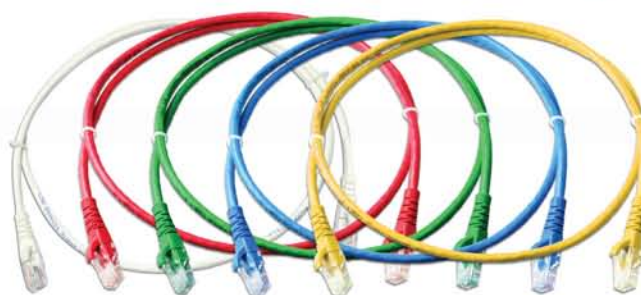
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Part No.	Description	Type	Figure	Dimension
US-4005	CAT 5E IN-LINE COUPLERS	Unshield	A	L35 x W16 x H21 mm.
US-4005S	SHIELD CAT 5E IN-LINE COUPLERS	Shielded	B	L36 x W18 x H22 mm.

These cables feature all the benefits of professional assembly with manufacture moulding to help them survive the rigors of a desktop environment, LINK offers fully Booted Category 5e (CAT 5E) Patch Cords that will give you years of dependable use these patch cords are nearly impossible to damage! It's a smart and sound investment. All of the colored patch cords are T568B pinning with 100% tested.

## SPECIFICATION

Standard	: ANSI/TIA-568-C.2 Category 5e, ISO/IEC-11801:2002 Class D and EN50173-1
Application	: IEEE802.3, 1000Base-T, 10/100Base-TX, 4/16 Token ring, 155/622 and 1.2G ATM, POE, ISDN, VoIP and other
Cable	: Stranded wire flexible UTP Category 5e Cable
Color	: White, Red, Green, Blue, Yellow
Connector	: Category 5e RJ45 modular Plugs with 50 micro-inches Gold Plating over Nickel Plated and Phosphor Bronze
Wire Size	: 24AWG
Slim Boot	: Molding from manufacturer are designed to protect Plugs and Cables
Q.C	: 100% factory assembly and testing
Approvals	: UL/cUL Listed E197771 and Intertek Channels Test
Certified	: Lead-free & RoHS Compliant by TUV



CAT5E RJ45 to RJ45 Patch Cord

Part No.	Description	Length (m.)
US-5003-X	CAT 5E RJ45 to RJ45 PATCH CORD	1
US-5006-X	CAT 5E RJ45 to RJ45 PATCH CORD	2
US-5010-X	CAT 5E RJ45 to RJ45 PATCH CORD	3
US-5015-X	CAT 5E RJ45 to RJ45 PATCH CORD	5
US-5020-X	CAT 5E RJ45 to RJ45 PATCH CORD	10

X Color = 1 (White), 2 (Red), 3 (Green), 4 (Blue), 5 (Yellow)

## Category 5e RJ45 Modular Plugs

LINK Category 5e RJ45 Plug is designed for both field terminated of solid UTP and stranded wire for Patch Cords Assembly. The body is transparent to see the 3 prong contacts and wire inside which terminated. The mechanical of inner body is performed to easy terminated by crimp tool. LINK RJ45 Plug is suitable for all of standard cable 26-22 AWG UTP or 26-22 AWG F/UTP for shield plug. The performance with LINK Cable CAT5E exceeds ANSI/TIA-568-C.2 requirement.

## SPECIFICATION

Standard	: ANSI/TIA-568-C.2 Category 5e, ISO/IEC-11801:2002 Class D and EN-50173-1
Housing	: Polycarbonate, UL94V-0 with LINK logo
Contact	: 3 Contact points, Phosphor Bronze with over 50 micro-inches gold plating
Accept Wire	: 26AWG - 22AWG Solid & Stranded Wire
Approvals	: UL/cUL Listed and Intertek Channels Test
Certified	: Lead-free & RoHS Compliant by TUV



Part No.	Description	No. of Position	Figure
US-1001	CAT 5E RJ45 Modular Plug, HP	8	A
US-1003	CAT 5E RJ45 Modular Plug, SHIELD	8	B
US-1051X	CAT 5E RJ45 Modular Plug, HP, Crystal	8	C

X Color = 2 (Red), 3 (Green), 4 (Blue), 5 (Yellow), 6 (Black)



C

## Modular Plug Boots (CAT 5E)

LINK Plug Boots are designed to cover which protect RJ45 plugs and cables. It produces from special PVC with rubber for protect each of plug and easy to remove. It helps you solve your hard time finding the end of cable for maintenance or relocation or makes organizing your patch cord system quickly. It is suitable for both field terminated or patch cord maker and also for unshield and shield plug.

Part No.	Description	Packing	Figure
US-600X	CAT 5E Plug Boot	10 Each/Pkg	A
US-601X	CAT 5E Locking Plug Boot, OD 5.5 mm	10 Each/Pkg	B

X Color = 1 (Ivory), 2 (Red), 3 (Green), 4 (Blue), 5 (Yellow)





# Category 6 Ultra (600MHz) U/UTP Cables



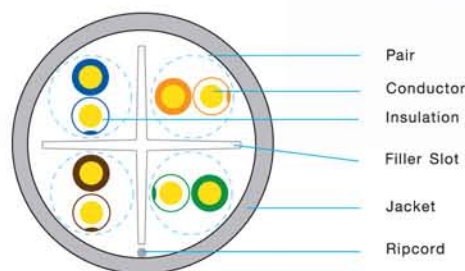
Link for the perfect Cabling

## STANDARD

- ANSI/TIA-568-C.2 Category 6
- ISO/IEC 11801:2002 Class E
- EN 50173-1 Category 6
- ICEA S-102-700 Category 6
- EN 50288-6-1, NEMA WC 66
- IEC 61156-5, ASTM D4566-98, IEC 60332-1
- UL/CSA Listed CMX, CM, CMR, CMP and LSZH
- ETL and 3P Verified to TIA-568-C.2 CAT 6
- UL E197771, INTERTEK, RoHS Compliant

## APPLICATION

- 10GBASE-T ( IEEE 802.3an 10Gigabit Ethernet \*55m )
- 1000 BASE-T ( IEEE 802.3ab Gigabit Ethernet )
- 100 BASE-TX ( IEEE 802.3u Fast Ethernet )
- 10 BASE-T ( IEEE 802.3 Ethernet )
- 155/622Mbps and 1.2Gbps ATM
- 4/16 Mbps Token Ring
- POE, POE+ ( IEEE 802.3af, IEEE 802.3at )
- TP-PMD, TPDDI, ISDN, VoIP
- Analog & Digital Voice, Digital & Analog Video



## ELECTRICAL CHARACTERISTICS

<b>Impedance</b>	: 100±5Ω, 1 MHz to 600 MHz
<b>Mutual Capacitance</b>	: 5.6 nFMax / 100m
<b>Capacitance, Unbalance</b>	: 160 pF Max / 100m
<b>DC Resistance</b>	: 6.65 ohm Max/100m
<b>DC Resistance, Unbalance</b>	: 5% Max.
<b>Insulated Resistance</b>	: 5000 MΩ/Km
<b>Dielectric Strength</b>	: 1kV/min
<b>Propagation Delay</b>	: 536 ns/100m Max @600MHz
<b>Delay Skew</b>	: 30 ns Max

## CONSTRUCTION / MATERIAL

<b>Conductor</b>	: 23AWG Solid Bare Copper
<b>Insulation</b>	CM, CMR, LSZH : HDPE CMP : FEP
<b>Filler Slot</b>	: FRPE
<b>Ripcord</b>	: Under Jacket
<b>Jacket</b>	CM, CMR : FRPVC CMP : FRPVC (Low Smoke) LSZH : LSZH

FREQUENCY (MHZ)	INSERTION LOSS (dB/100m)	NEXT MIN.(dB)	ACR MIN.(dB)	PS.NEXT MIN.(dB)	PS.ACR MIN.(dB)	ELFEXT MIN.(dB/100m)	PS.ELFEXT MIN.(dB/100m)	RL MIN.(dB)
1	2.0	78.0	76.0	76.0	73.5	69.0	66.0	20.0
31.25	10.7	56.0	45.3	54.0	42.8	38.5	35.6	23.6
62.5	15.4	50.5	35.1	52.2	33.0	33.0	29.5	21.5
100	19.8	47.5	27.7	49.8	25.6	28.5	25.8	20.1
155	25.1	45.0	19.7	47.2	17.2	25.0	23.0	18.8
200	29.0	44.4	15.4	45.0	12.3	22.5	21.7	18.0
250	32.0	42.9	10.9	43.2	6.5	21.2	18.0	17.3
300	36.4	41.5	4.9	40.7	1.9	18.5	15.6	16.8
400	43.0	38.5	N.A	37.5	N.A	16.5	13.7	15.9
550	51.8	36.7	N.A	34.5	N.A	13.5	10.7	14.9
600	54.5	36.5	N.A	34.5	N.A	13.0	10.0	14.7

## MECHANICAL PROPERTIES

**Minimum Bending Radius**

Install 8 X Cable Diameter

After Install 4 X Cable Diameter

**Tensile Strength**

110 N (25lbf)

**Ultimate Breaking Strength**

>400 N (90lbf)

**Installation / Operating temperature**

-20°C to 60°C

**Storage Temperature**

-20°C to 80°C

Part No.	UL/NEC Flame Rating	Conductor	Jacket	Diameter (mm.)	Color	Packaging
US-9116	CMR	23AWG Solid Bare Copper	FRPVC	6.4	White	305m/Pull Box
US-9116LSZH	LSZH	23AWG Solid Bare Copper	LSZH	6.4	White	305m/Pull Box
US-9116P	CMP	23AWG Solid Bare Copper	FRPVC(LS)	5.8	White	305m/Reel Box
US-9116CM	CM	23AWG Solid Bare Copper	FRPVC	6.4	White	305m/Reel
US-9126	CM	24AWG Stranded Bare Copper	FRPVC	5.4	Blue	305m/Pull Box

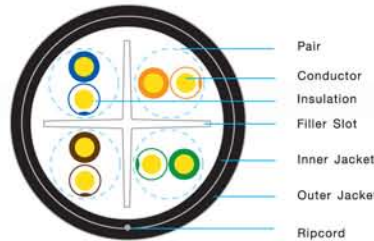


## STANDARD

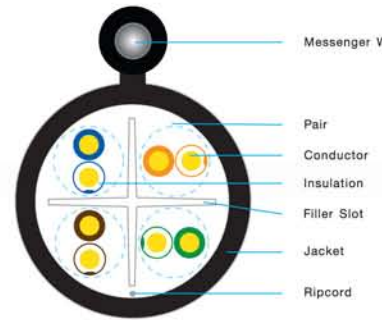
- ANSI/TIA-568-C.2 Category 6
- ISO/IEC 11801:2002 Class E
- EN 50173-1 Category 6
- ICEA S-102-700 Category 6
- EN 50288-6-1, NEMA WC 66
- IEC 61156-5, ASTM D4566-98
- UL444, CMX, NEC800
- UL E197771, RoHS Compliant

## APPLICATION

- 10GBASE-T ( IEEE 802.3an10Gigabit Ethernet \*55m )
- 1000 BASE-T ( IEEE 802.3ab Gigabit Ethernet )
- 100 BASE-TX ( IEEE 802.3u Fast Ethernet )
- 10 BASE-T ( IEEE 802.3 Ethernet )
- 155/622Mbps and 1.2Gbps ATM
- 4/16 Mbps Token Ring
- POE, POE+ ( IEEE 802.3af, IEEE 802.3at )
- TP-PMD, TPDDI, ISDN, VoIP
- Analog & Digital Voice, Digital & Analog Video



US-9106OUT



US-9106M

## ELECTRICAL CHARACTERS

<b>Impedance</b>	: 10015Ω, 1 MHz to 600 MHz
<b>Mutual Capacitance</b>	: 5.6 nFMax / 100m
<b>Capacitance, Unbalance</b>	: 160 pF Max / 100m
<b>DC Resistance</b>	: 6.65 ohm Max/100m
<b>DC Resistance, Unbalance</b>	: 2.5% Max.
<b>Insulated Resistance</b>	: 5000 MΩ/Km
<b>Dielectric Strength</b>	: 1kV/min
<b>Propagation Delay</b>	: 536 ns/100m Max @600MHz
<b>Delay Skew</b>	: 30 ns Max

## FEATURES/CONSTRUCTION

<b>Conductor</b>	: 23AWG Solid Bare Copper
<b>Insulation</b>	: HDPE
<b>Filler Slot</b>	: FRPE
<b>Ripcord</b>	: Under Jacket
<b>Jacket</b>	: PE
<b>Messenger Wire</b>	: Galvanize Steel Wire, 1.3mm for US-9106M

FREQUENCY (MHZ)	INSERTION LOSS (dB/100m)	NEXT MIN.(dB)	ACR MIN.(dB)	PS.NEXT MIN.(dB)	PS.ACR MIN.(dB)	ELFEXT MIN.(dB/100m)	PS.ELFEXT MIN.(dB/100m)	RL MIN.(dB)
1	2.0	78.0	76.0	76.0	73.5	69.0	66.0	20.0
31.25	10.7	56.0	45.3	54.0	42.8	38.5	35.6	23.6
62.5	15.4	50.5	35.1	52.2	33.0	33.0	29.5	21.5
100	19.8	47.5	27.7	49.8	25.6	28.5	25.8	20.1
155	25.1	45.0	19.7	47.2	17.2	25.0	23.0	18.8
200	29.0	44.4	15.4	45.0	12.3	22.5	21.7	18.0
250	32.0	42.9	10.9	43.2	6.5	21.2	18.0	17.3
300	36.4	41.5	4.9	40.7	1.9	18.5	15.6	16.8
400	43.0	38.5	N.A	37.5	N.A	16.5	13.7	15.9
550	51.8	36.7	N.A	34.5	N.A	13.5	10.7	14.9
600	54.5	36.5	N.A	34.5	N.A	13.0	10.0	14.7

## MECHANICAL PROPERTIES

Minimum Bending Radius

Install 8 X Cable Diameter

After Install 4 X Cable Diameter

Tensile Strength

9.7 MPa (1400 PSI) for US-9106OUT

16.5 MPa (2400 PSI) for US-9106M

Installation / Operating temperature

-40°C to 75°C

Storage Temperature

-40°C to 80°C

Part No.	UL/NEC Flame Rating	Conductor	Jacket	Diameter (mm.)	Color	Packaging
US-9106OUT	CMX	23AWG Solid Bare Copper	PE	6.5/10.0	Black	305m/Reel
US-9106M	CMX	23AWG Solid Bare Copper	PE	7.4	Black	305m/Reel

# Category 6 Ultra (600MHz) F/UTP Cables

## STANDARD

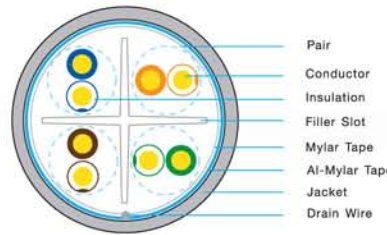
- ANSI/TIA-568-C.2 Category 6
- ISO/IEC 11801:2002 Class E
- EN 50173-1 Category 6
- ICEA S-102-700 Category 6
- EN 50288-6-1, NEMA WC 66
- IEC 61156-5, ASTM D4566-98, IEC 60332-1
- UL/CSA Listed CMX, CM, CMR, CMP and LSZH
- ETL and 3P Verified to TIA-568-C.2 CAT 6
- UL E197771, INTERTEK, RoHS Compliant

## APPLICATION

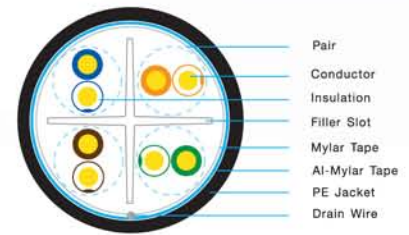
- 10GBASE-T ( IEEE 802.3an 10Gigabit Ethernet )
- 1000 BASE-T ( IEEE 802.3ab Gigabit Ethernet )
- 100 BASE-TX ( IEEE 802.3u Fast Ethernet )
- 10 BASE-T ( IEEE 802.3 Ethernet )
- 155/622Mbps and 1.2Gbps ATM
- 4/16 Mbps Token Ring
- POE, POE+ ( IEEE 802.3af, IEEE 802.3at )
- TP-PMD, TPDDI, ISDN, VoIP
- Analog & Digital Voice, Digital & Analog Video

## ELECTRICAL CHARACTERISTICS

<b>Impedance</b>	: 100±5Ω, 1 MHz to 600 MHz
<b>Mutual Capacitance</b>	: 5.6 nFMax / 100m
<b>Capacitance, Unbalance</b>	: 160 pF Max / 100m
<b>DC Resistance</b>	: 6.65 ohm Max/100m
<b>DC Resistance, Unbalance</b>	: 5% Max.
<b>Insulated Resistance</b>	: 5000 MΩ/Km
<b>Dielectric Strength</b>	: 1kV/min
<b>Propagation Delay</b>	: 536 ns/100m Max @600MHz
<b>Delay Skew</b>	: 30 ns Max



US-9136



US-9136PE



## CONSTRUCTION / MATERIAL

<b>Conductor</b>	: 23AWG Solid/Stranded Bare Copper
<b>Insulation</b>	CM, CMR, LSZH, CMX : HDPE CMP : FEP
<b>Filler Slot</b>	: FRPE
<b>Mylar</b>	: Mylar Tape
<b>Drain Wire</b>	: Tinned Copper
<b>Shielded</b>	: AL-Mylar Tape
<b>Ripcord</b>	: Under Jacket
<b>Jacket</b>	CM, CMR : FRPVC CMP : FRPVC (Low Smoke) LSZH : LSZH CMX : PE

FREQUENCY (MHZ)	INSERTION LOSS (dB/100m)	NEXT MIN.(dB)	ACR MIN.(dB)	PS.NEXT MIN.(dB)	PS.ACR MIN.(dB)	ELFEXT MIN.(dB/100m)	PS.ELFEXT MIN.(dB/100m)	RL MIN.(dB)
1	2.0	78.0	76.0	76.0	73.5	69.0	66.0	20.0
31.25	10.7	56.0	45.3	54.0	42.8	38.5	35.6	23.6
62.5	15.4	50.5	35.1	52.2	33.0	33.0	29.5	21.5
100	19.8	47.5	27.7	49.8	25.6	28.5	25.8	20.1
155	25.1	45.0	19.7	47.2	17.2	25.0	23.0	18.8
200	29.0	44.4	15.4	45.0	12.3	22.5	21.7	18.0
250	32.0	42.9	10.9	43.2	6.5	21.2	18.0	17.3
300	36.4	41.5	4.9	40.7	1.9	18.5	15.6	16.8
400	43.0	38.5	N.A	37.5	N.A	16.5	13.7	15.9
550	51.8	36.7	N.A	34.5	N.A	13.5	10.7	14.9
600	54.5	36.5	N.A	34.5	N.A	13.0	10.0	14.7

## MECHANICAL PROPERTIES

### Minimum Bending Radius

Install 8 X Cable Diameter  
After Install 4 X Cable Diameter

### Tensile Strength

110 N (25lbf)

### Ultimate Breaking Strength

>400 N (90lbf)

### Installation / Operating temperature

-20°C to 60°C (-40°C to 75°C for US-9136PE)

### Storage Temperature

-20°C to 80°C (-40°C to 80°C for US-9136PE)

Part No.	UL/NEC Flame Rating	Conductor	Jacket	Diameter (mm.)	Color	Packaging
US-9136	CMR	23AWG Solid Bare Copper	FRPVC	7.2	White	305m/Reel
US-9136LSZH	LSZH	23AWG Solid Bare Copper	LSZH	7.2	White	305m/Reel
US-9136P	CMP	23AWG Solid Bare Copper	FRPVC(LS)	7.2	White	305m/Reel
US-9136PE	CMX	23AWG Solid Bare Copper	PE	7.2	Black	305m/Reel
US-9166	CM	26AWG Stranded Bare Copper	FRPVC	5.7	White	305m/Pull Box

# Category 6 Patch Panels

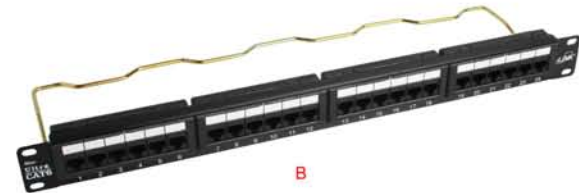
LINK Category 6 Patch Panel is designed to mount on 19" EIA rack with light weight and very easy to terminate and arrange the cable on back of patch panel with Cable Management Support Bar. LINK CAT 6 Patch Panel transmission data rates is exceeded the requirement of ANSI/TIA-568-C.2 Category 6 performance.

LINK Category 6 Patch Panel consists of 6-port jack module allows easy replacement and maintenance. The termination is provided label color recommend T568B and universal pattern (568A/B) for easy to read and prevent termination errors. The 6-port jack module is designed for preventing the effect of terminate to interrupt on another ports. The Patch Panel also supply with cable support bar and cable tie to keep the cable arrange and management and avoid cable from over bending. The Patch Panel is made of black Aluminium Light Weight Steel with Hair Line Classic Shine and White Paper Label insert within clear plastic cover.

## SPECIFICATION



Standard	: ANSI/TIA-568-C.2 Category 6, ISO/IEC11801 Class E and EN50173-1
Application	: IEEE802.3, 1000Base-T, 10/100Base-TX, 4/16 Token ring, 155/622 and 1.2G ATM, POE, ISDN, VoIP and other
Wiring Pattern	: T568B / T568A Universal Color Pattern
Panel	: Metal Paint Black Color w/ABS for US-3124+ : Aluminium Light Weight Steel with Hair Line Classic Shine for US-3124
Label	: White Paper insert within clear plastic cover
Cable Organizing	: Cable Support Bar and Cable Ties
Connector Type	: RJ45 8 Pin
Jack Contact	: Phosphor Bronze with over 50 micro-inches gold plating
Termination Block	: Dual Type 110 IDC or KRONE
Termination Material	: Phosphor Bronze with tin over 100 micro-inches nickel under plated
Durability	: 800 mating cycles (Modular Jack) 200 termination cycles (110 IDC Block)
Wire Size	: 26AWG - 22AWG Solid & Stranded Wire
Approvals	: UL Listed E196947 and Intertek Channels Test
Certified	: Lead-free & RoHS Compliant by TUV



B



C

Part No.	Description	Height	Figure
US-3124+	CAT 6 PATCH PANEL 24 PORT with Management	1.75" (1U)	A
US-3124	CAT 6 PATCH PANEL 24 PORT with Support Bar	1.75" (1U)	B
US-3148	CAT 6 PATCH PANEL 48 PORT with Support Bar	3.50" (2U)	C

## Category 6 Special Patch Panels

The Patch Panels come T568A and T568B wiring and fully comply with ANSI/TIA-568-C.2 specifications for Insertion loss (Attenuation), Near-End Crosstalk (NEXT), Return Loss, and Far-End Crosstalk (FEXT) for data transmissions of any pair combination with frequencies up to 250MHz.

Half-U and High density patch panels are most useful commonly used at the cross-connect area for switches to the distribution side of the network, and can be save the area to mounted on 19" EIA racks or cabinets.



A



B

Part No.	Description	Height	Figure	Cable Management
US-3125	CAT 6, HALF-U PATCH PANEL 24 PORT	0.875" (0.5U)	A	included
US-3149	CAT 6, HIGH DENSITY PATCH PANEL 48 PORT	1.75" (1U)	B	included

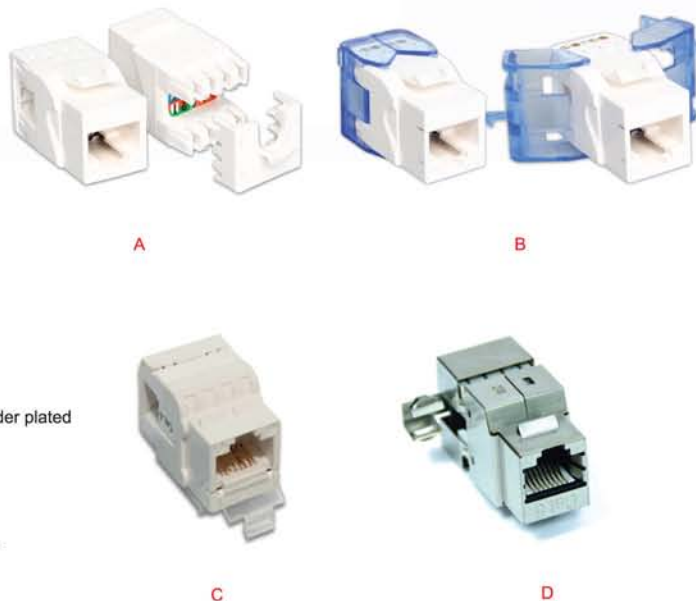
# Category 6 RJ45 Modular Jacks

LINK Category 6 RJ45 Modular Jacks provides the technology to meet tomorrow's most advanced and performance critical application. Modular Jack is a new design punch down terminate by suitable with 110 or Krone connecting Tools and Tool Free also available. Cover cap also to protect the connector from dust. The terminal supplied with T568A and T568B wiring configuration on the edge is easy to read and prevent termination errors.

## SPECIFICATION



Standard	: ANSI/TIA-568-C.2 Category 6, ISO/IEC-11801 Class E, EN50173-1
Application	: IEEE802.3, 1000Base-T, 10/100Base-TX, 4/16 Token ring, 155/622 and 1.2G ATM, POE, ISDN, VoIP and other
Product Type	: RJ45 Jack with Cover caps
Wiring Pattern	: T568B/T568A Universal Color Pattern
Housing Material	: High Impact Flame Retardant Plastic
Housing Flame Rating	: UL 94V-0 ABS
Contact Material	: Phosphor Bronze with over 50 micro-inches gold plating
Termination Block	: Dual Type 110 IDC or Krone
Termination Material	: Phosphor Bronze with tin over 100 micro-inches nickel under plated
Durability	: 800 mating cycles (Modular Jack) 200 termination cycles (110/Krone IDC Block)
Tool Free (Toolless Type)	: 180° IDC, UL94V-0 ABS
Shield Cover (Shield Type)	: 50-60 micro-inches Nickels Plating over Phosphor Bronze
Accept Wire Size	: 26AWG - 22AWG Solid & Stranded Wire
Approvals	: UL List E196947 and Intertek Channel Test
Certified	: Lead-free & RoHS Compliant by TUV



Part No.	Description	Type	Figure	Color
US-1006SL	CAT 6 RJ45 MODULAR JACK, SLIM TYPE	Unshield	A	White
US-1006STF	CAT 6 RJ45 MODULAR JACK, SLIM TOOL FREE	Unshield	B	White
US-1006ST	CAT 6 RJ45 MODULAR JACK, SHUTTER	Unshield	C	White
US-1014	CAT 6 RJ45 MODULAR JACK, SHIELD	Full Shield	D	Metallic

## Category 6 In-Line Couplers

LINK In-Line Couplers provide a 180 Jack to Jack Splice. Couplers are available in eight position RJ45 Styles allow a simple operation with horizontal cables, which can easily be extended. Broken cables can be coupled without laying new complete cable segment. LINK In-Line Couplers are universal standards for all RJ45 Modular Plugs.

## SPECIFICATION

Standard	: ANSI/TIA-568-C.2 Category 6, ISO/IEC-11801 Class D and EN50173-1
Type of Product	: RJ45 JACK to RJ45 JACK
Color	: White / Metallic with LINK logo
Certified	: Lead-free & RoHS Compliant by TUV

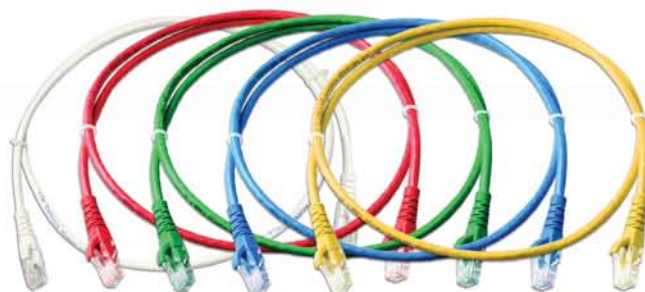


Part No.	Description	Figure	Dimension (mm.)	Color
US-4006	CAT 6 IN-LINE COUPLERS	A	L 35 x W 16.3 x H 21	White
US-4006S	SHIELD CAT 6 IN-LINE COUPLERS	B	L 36 x W 17.8 x H 22	Metallic

LINK Category 6 Ultra Patch Cord exceeds the proposed ANSI/TIA-568-C.2 requirement for Category 6 performance. LINK Category 6 Patch Cords are assembled by manufacturer with totally test to reach the standard by Q.C team. LINK Category 6 Patch Cord assembly of special high grade of CAT 6 Cable and high performance Plug & Boot. The Patch Cord is verify to give high flexibility and the best NEXT, Attenuation, ACR, Powersum etc.

## SPECIFICATION

Standard	: ANSI/TIA-568-C.2 Category 6, ISO/IEC-11801 Class E and EN50173-1
Application	: IEEE802.3, 1000Base-T, 10/100Base-TX, 4/16 Token ring, 155/622 and 1.2G ATM, POE, ISDN, VoIP and other
Cable	: Stranded wire flexible UTP category 6 performance
Color	: White, Red, Green, Blue, Yellow
Connector	: Category 6 RJ45 modular plug with over 50 micro-inches gold plating
Wire Size	: 24 AWG
Cover Boot	: Molding from manufacturer are designed to protect plugs and cables
Q.C.	: 100% factory assembly and testing
Approvals	: UL/cUL Listed E197771 and Intertek Channels Test
Certified	: Lead-free & RoHS Compliant by TUV



CAT6 RJ45 to RJ45 Patch Cord

Part No.	Description	Length (m.)
US-5101-X	CAT6 RJ45 to RJ45 PATCH CORD	1
US-5102-X	CAT6 RJ45 to RJ45 PATCH CORD	2
US-5103-X	CAT6 RJ45 to RJ45 PATCH CORD	3
US-5105-X	CAT6 RJ45 to RJ45 PATCH CORD	5
US-5110-X	CAT6 RJ45 to RJ45 PATCH CORD	10

X Color = 1 (White), 2 (Red), 3 (Green), 4 (Blue), 5 (Yellow)

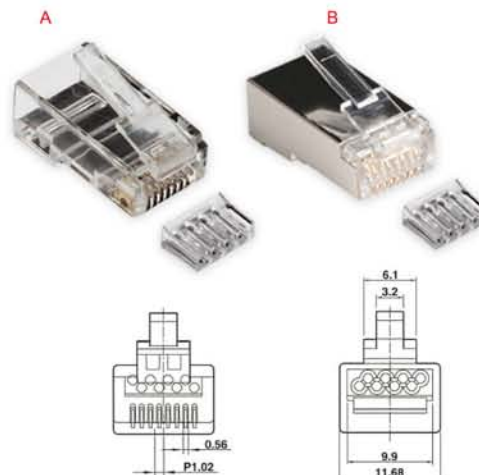
## Category 6 RJ45 Modular Plugs

LINK offer plugs in standard configurations to terminate modular cords for patching or working applications. Simplified termination due to a unique process. The mechanical of 2 layer and pre-insert bar optimizes performance and consistency by reduce untwist at plug. Shielded plug housing provides conductive patch for grounding.

## SPECIFICATION

Standard	: ANSI/TIA-568-C.2 Category 6, ISO/IEC-11801 Class E and EN50173-1
Housing	: Polycarbonate, UL94V-0 with LINK logo
Structure	: 2 Layer with pre-insert bar
Contacts	: Phosphor Bronze with over 50 micro-inches gold plating
Accept Wire	: 26AWG - 22AWG Solid & Stranded Wire
Certified	: Lead-free & RoHS Compliant by TUV

Part No.	Description	No. of Position	Figure
US-1002	CAT 6 RJ45 Modular Plug	8	A
US-1004	SHIELD CAT 6 RJ45 Modular Plug	8	B



## Category 6 Locking Plug Boots

LINK Plug Boots are designed to cover which protect RJ45 plugs and cables. It produces from special PVC with rubber for protect each of plug and easy to remove. It helps you solve your hard time finding the end of cable for maintenance or relocation or makes organizing your patch cord system quickly. It is suitable for both field terminated or patch cord maker and also for unshield and shield plug.

Part No.	Description	Packing
US-602X	CAT 6 Locking Plug Boot, OD 6.5 mm	10 Each/Pkg

X Color = 1 (Ivory), 2 (Red), 3 (Green), 4 (Blue), 5 (Yellow)

Locking Plug Boot



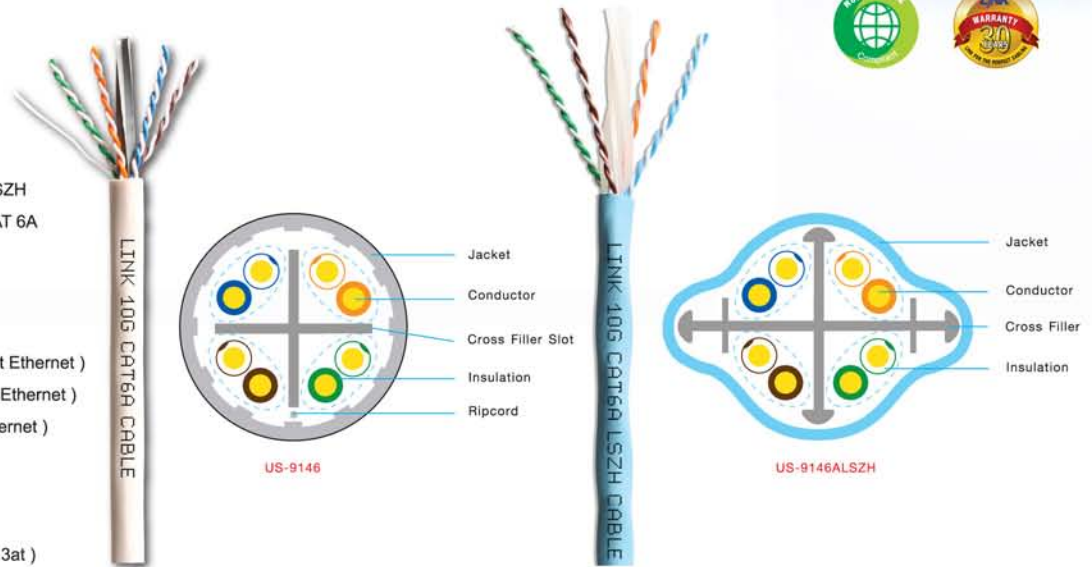
# Category 6A (750MHz) U/UTP Cables

## STANDARD

- ANSI/TIA-568-C.2 Category 6A
- ISO/IEC 11801:2002 Class EA
- EN 50173-1 Category 6A
- IEC 61156-5 Category 6A
- EN 50288-10-1, IEC 60332-1
- UL/CSA Listed CM, CMR, CMP and LSZH
- ETL and 3P Verified to TIA-568-C.2 CAT 6A
- UL E197771, RoHS Compliant

## APPLICATION

- 10GBASE-T ( IEEE 802.3an 10Gigabit Ethernet )
- 1000 BASE-T ( IEEE 802.3ab Gigabit Ethernet )
- 100 BASE-TX ( IEEE 802.3u Fast Ethernet )
- 10 BASE-T ( IEEE 802.3 Ethernet )
- 155/622Mbps and 1.2Gbps ATM
- 4/16 Mbps Token Ring
- POE, POE+ ( IEEE 802.3af, IEEE 802.3at )
- TP-PMD, TPDDI, ISDN, VoIP
- Analog & Digital Voice, Digital & Analog Video



## ELECTRICAL CHARACTERS

<b>Impedance</b>	: 100±15Ω, 1 MHz to 750 MHz
<b>Mutual Capacitance</b>	: 5.6 nFMax / 100m
<b>Capacitance,Unbalance</b>	: 160 pF Max / 100m
<b>DC Resistance</b>	: 6.65 ohm Max/100m
<b>DC Resistance,Unbalance</b>	: 4% Max.
<b>Insulated Resistance</b>	: 5000 MΩ/Km
<b>Dielectric Strength</b>	: 1kV/min
<b>Propagation Delay</b>	: 534 ns/100m Max @500MHz
<b>Delay Skew</b>	: 25 ns Max

## FEATURES/CONSTRUCTION

<b>Conductor</b>	: 23AWG Solid Bare Copper
<b>Insulation</b>	CM, CMR, LSZH : HDPE CMP : HDPE
<b>Cross Filler Slot</b>	: FRPE
<b>Ripcord</b>	: Under Jacket
<b>Jacket</b>	CM, CMR : FRPVC CMP : FRPVC LSZH : LSZH

FREQUENCY (MHZ)	INSERTION LOSS (dB/100m)	RL MIN.(dB)	NEXT MIN.(dB)	PSNEXT MIN.(dB)	ACRF MIN.(dB)	PS ACRF MIN.(dB)	PS ANEXT MIN.(dB)	PS AACRF (dB/100m)
1.0	2.0	20.0	78.3	76.3	71.8	68.8	67.0	67.0
31.25	10.4	25.6	55.9	53.9	41.9	38.9	67.0	48.3
62.50	14.9	23.5	51.4	49.4	35.9	32.9	65.6	42.3
100.0	19.0	22.1	48.3	46.3	31.8	28.8	62.5	38.2
200.0	27.5	20.0	43.8	41.8	25.8	22.8	58.0	32.2
250.0	31.0	19.3	42.3	40.3	23.8	20.8	56.5	30.2
300.0	34.2	18.8	41.1	39.3	22.3	19.3	55.3	28.7
500.0	45.3	17.5	37.8	35.8	17.8	14.8	52.0	24.2
550.0	47.7	17.2	37.2	35.2	-	-	-	-
650.0	52.4	16.7	36.1	34.6	-	-	-	-
750.0	56.8	16.0	35.2	33.2	-	-	-	-

## MECHANICAL PROPERTIES

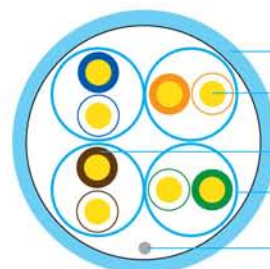
<b>Minimum Bending Radius</b>	Install : 8 X Cable Diameter After Install : 4 X Cable Diameter
<b>Tensile Strength</b>	110 N (25lbf)
<b>Ultimate Breaking Strength</b>	>400N (90lbf)
<b>Installation / Operating temperature</b>	-20°C to 60°C
<b>Storage Temperature</b>	-20°C to 80°C

Part No.	UL/NEC Flame Rating	Conductor	Jacket	Diameter (mm.)	Color	Packaging
US-9146	CMR	23AWG Solid Bare Copper	FRPVC	8.3	White	305m/Reel
US-9146ALSZH	LSZH	23AWG Solid Bare Copper	LSZH	7.8 x 9.1	Aqua Blue	305m/Reel
US-9146LSZH	LSZH	23AWG Solid Bare Copper	LSZH	8.3	White	305m/Reel
US-9146P	CMP	23AWG Solid Bare Copper	FRPVC(LS)	8.3	White	305m/Reel
US-9146OUT	CMX	23AWG Solid Bare Copper	PE	8.3	Black	305m/Reel



## STANDARD

- ANSI/TIA-568-C.2 Category 6A
- ISO/IEC 11801:2002 Class EA
- EN 50173-1 Category 6A
- IEC 61156-5 Category 6A
- EN 50288-10-1, IEC 60332-1
- UL/CSA Listed CM, CMR, CMP and LSZH
- ETL and 3P Verified to TIA-568-C.2 CAT 6A
- UL E197771, RoHS Compliant



- Jacket
- Conductor
- Insulation
- Aluminum Mylar Tape
- Drain Wire

## APPLICATION

- 10GBASE-T ( IEEE 802.3an 10Gigabit Ethernet )
- 1000 BASE-T ( IEEE 802.3ab Gigabit Ethernet )
- 100 BASE-TX ( IEEE 802.3u Fast Ethernet )
- 10 BASE-T ( IEEE 802.3 Ethernet )
- 155/622Mbps and 1.2Gbps ATM
- 4/16 Mbps Token Ring
- POE, POE+ ( IEEE 802.3af, IEEE 802.3at )
- TP-PMD, TPDDI, ISDN, VoIP
- Analog & Digital Voice, Digital & Analog Video

## ELECTRICAL CHARACTERS

<b>Impedance</b>	: 100±15Ω, 1 MHz to 500 MHz
<b>Mutual Capacitance</b>	: 5.6 nFMax / 100m
<b>Capacitance,Unbalance</b>	: 160 pF Max / 100m
<b>DC Resistance</b>	: 6.65 ohm Max/100m
<b>DC Resistance,Unbalance</b>	: 4% Max.
<b>Insulated Resistance</b>	: 5000 MΩ/Km
<b>Dielectric Strength</b>	: 1kV/min
<b>Propagation Delay</b>	: 534 ns/100m Max @500MHz
<b>Delay Skew</b>	: 25 ns Max

## FEATURES/CONSTRUCTION

<b>Conductor</b>	: 23AWG Solid Bare Copper
<b>Insulation</b>	: Foam/Skin HDPE
<b>Drain Wire</b>	: Tinned Copper
<b>Individual Shield</b>	: AL-Mylar Tape
<b>Jacket</b>	: LSZH

FREQUENCY (MHZ)	INSERTION LOSS (dB/100m)	RL MIN.(dB)	NEXT MIN.(dB)	PSNEXT MIN.(dB)	ACRF MIN.(dB)	PS ACRF MIN.(dB)	PS ANEXT MIN.(dB)	PS AACRF (dB/100m)
1.0	2.0	20.0	78.3	76.3	71.8	68.8	67.0	67.0
31.25	10.4	25.6	55.9	53.9	41.9	38.9	67.0	48.3
62.50	14.9	23.5	51.4	49.4	35.9	32.9	65.6	42.3
100.0	19.0	22.1	48.3	46.3	31.8	28.8	62.5	38.2
200.0	27.5	20.0	43.8	41.8	25.8	22.8	58.0	32.2
250.0	31.0	19.3	42.3	40.3	23.8	20.8	56.5	30.2
300.0	34.2	18.8	41.1	39.3	22.3	19.3	55.3	28.7
500.0	45.3	17.5	37.8	35.8	17.8	14.8	52.0	24.2

## MECHANICAL PROPERTIES

### Minimum Bending Radius

Install 8 X Cable Diameter  
After Install 4 X Cable Diameter

### Tensile Strength

110 N (25lbf)

### Ultimate Breaking Strength

>400N (90lbf)

### Installation / Operating temperature

-20°C to 60°C

### Storage Temperature

-20°C to 80°C

Part No.	UL/NEC Flame Rating	Conductor	Jacket	Diameter (mm.)	Color	Packaging
US-9256LSZH	LSZH	23AWG Solid Bare Copper	LSZH	7.28	Aqua Blue	305m/Reel



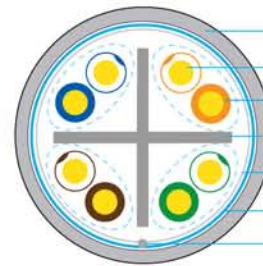
# Category 6A (650MHz) F/UTP Cables



Link for the perfect Cabling

## STANDARD

- ANSI/TIA-568-C.2 Category 6A
- ISO/IEC 11801:2002 Class EA
- EN 50173-1 Category 6A
- IEC 61156-5 Category 6A
- EN 50288-10-1, IEC 60332-1
- UL/CSA Listed CM, CMR, CMP and LSZH
- ETL and 3P Verified to TIA-568-C.2 CAT 6A
- UL E197771, RoHS Compliant



- Jacket
- Conductor
- Insulation
- Filler Slot
- Mylar Tape
- Al-Mylar Tape
- Drain Wire

## APPLICATION

- 10GBASE-T ( IEEE 802.3an 10Gigabit Ethernet )
- 1000 BASE-T ( IEEE 802.3ab Gigabit Ethernet )
- 100 BASE-TX ( IEEE 802.3u Fast Ethernet )
- 10 BASE-T ( IEEE 802.3 Ethernet )
- 155/622Mbps and 1.2Gbps ATM
- 4/16 Mbps Token Ring
- POE, POE+ ( IEEE 802.3af, IEEE 802.3at )
- TP-PMD, TPDDI, ISDN, VoIP
- Analog & Digital Voice, Digital & Analog Video

## ELECTRICAL CHARACTERS

<b>Impedance</b>	: 100±15Ω, 1 MHz to 750 MHz
<b>Mutual Capacitance</b>	: 5.6 nFMax / 100m
<b>Capacitance,Unbalance</b>	: 160 pF Max / 100m
<b>DC Resistance</b>	: 6.65 ohm Max/100m
<b>DC Resistance,Unbalance</b>	: 4% Max.
<b>Insulated Resistance</b>	: 5000 MΩ/Km
<b>Dielectric Strength</b>	: 1kV/min
<b>Propagation Delay</b>	: 534 ns/100m Max @500MHz
<b>Delay Skew</b>	: 25 ns Max

## FEATURES/CONSTRUCTION

<b>Conductor</b>	: 23AWG Solid Bare Copper
<b>Insulation</b>	CM, CMR, LSZH : Foam/Skin HDPE CMP : Foam/Skin FEP
<b>Mylar</b>	: Mylar Tape
<b>Drain Wire</b>	: Tinned Copper
<b>Shielded</b>	: AL-Mylar Tape
<b>Jacket</b>	CM, CMR : FRPVC CMP : FRPVC(Low Smoke) LSZH : LSZH

FREQUENCY (MHZ)	INSERTION LOSS (dB/100m)	RL MIN.(dB)	NEXT MIN.(dB)	PS.NEXT MIN.(dB)	ACRF MIN.(dB)	PS ACRF MIN.(dB)	PS ANEXT MIN.(dB)	PS AACRF (dB/100m)
1.0	2.0	20.0	78.3	76.3	71.8	68.8	67.0	67.0
31.25	10.4	25.6	55.9	53.9	41.9	38.9	67.0	48.3
62.50	14.9	23.5	51.4	49.4	35.9	32.9	65.6	42.3
100.0	19.0	22.1	48.3	46.3	31.8	28.8	62.5	38.2
200.0	27.5	20.0	43.8	41.8	25.8	22.8	58.0	32.2
250.0	31.0	19.3	42.3	40.3	23.8	20.8	56.5	30.2
300.0	34.2	18.8	41.1	39.3	22.3	19.3	55.3	28.7
500.0	45.3	17.5	37.8	35.8	17.8	14.8	52.0	24.2
550.0	47.7	17.2	37.2	35.2	-	-	-	-
650.0	52.4	16.7	36.1	34.6	-	-	-	-

## MECHANICAL PROPERTIES

<b>Minimum Bending Radius</b>	Install : 8 X Cable Diameter After Install : 4 X Cable Diameter
<b>Tensile Strength</b>	110 N (25lbf)
<b>Ultimate Breaking Strength</b>	>400N (90lbf)
<b>Installation / Operating temperature</b>	-20°C to 60°C
<b>Storage Temperature</b>	-20°C to 80°C

Part No.	UL/NEC Flame Rating	Conductor	Jacket	Diameter (mm.)	Color	Packaging
US-9266	CMR	23AWG Solid Bare Copper	FRPVC	7.6	White	305m/Reel
US-9266LSZH	LSZH	23AWG Solid Bare Copper	LSZH	7.6	White	305m/Reel
US-9266P	CMP	23AWG Solid Bare Copper	FRPVC(LS)	7.6	White	305m/Reel
US-9266OUT	CMX	23AWG Solid Bare Copper	PE	8.0	Black	305m/Reel

LINK Category 6A Patch Panel is designed to mount on 19" EIA rack with light weight and very easy to terminate and arrange the cable on back of patch panel with Cable Management Support Bar LINK CAT 6A Patch Panel transmission data rates is exceeded the requirement of ANSI/TIA-568-C.2 Category 6A performance and 10GBase-T (IEEE802.3an)

LINK Category 6A Patch Panel consists of individual jack module allows easy replacement and maintenance and can prevent the effect of terminate to interrupt on another ports. The termination is provided label color recommend T568B and universal pattern (T568A/B) for easy to read and prevent termination errors. The Patch Panel also supply with cable management bracket and cable tie to keep the cable arrange and management and avoid cable from over bending.

## SPECIFICATION



Standard	: ANSI/TIA-568-C.2 Category 6A, ISO/IEC-11801 Class EA, EN50173-1 and IEEE 802.3an (10GBase T)
Applications	: 10G (XG), IEEE802.3, 10GBase-T, 1000Base-T, 10/100Base-TX, 4/16 Token ring, 155/622 and 1.2G ATM, POE, ISDN, VoIP and other
Wiring Pattern	: T568B / T568A Universal Color Pattern
Product Type	: Patch Panel with cable management
Panel	: Steel paint black color w/ABS for unshield and Steel paint black color for shield
Cable Organizing	: Cable management and clip lock or cable ties
Connector Contact	: RJ45 8 Pin
Contact Material	: Phosphor Bronze with over 50 micro-inches gold plating
Termination Block	: Dual Type 110 IDC or KRONE and Tool Free
Termination Material	: Phosphor Bronze with tin over 100 micro-inches nickel under plated
Durability	: 800 mating cycles (Modular Jack) 200 termination cycles (110 IDC Block)
Wire Size	: 26AWG - 22AWG Solid & Stranded Wire
Approvals	: UL Listed E196947, 3P and ETL Certified CAT 6A
Certified	: Lead-free & RoHS Compliant by TUV



A



B



D



C

Part No.	Description	Height	Type	Figure
US-3224SL	CAT 6A ANGLE PATCH PANEL 24 PORT, Slim Jack	1.75" (1U)	Angle Unshield	A
US-3324SL	CAT 6A PATCH PANEL 24 PORT, Slim Jack	1.75" (1U)	Unshield	B
US-3324TFST	CAT 6A ANGLE PATCH PANEL 24 PORT, Tool Free with Shutter	1.75" (1U)	Angle Unshield	C
US-3433S	CAT 6A PATCH PANEL 24 PORT	1.75" (1U)	Shield	D

# Category 6A RJ45 Modular Jacks

LINK Category 6A RJ45 Modular Jacks are design to provide maximum flexibility and high performance for all 10G application. Modular Jack is a new design punch down terminate by suitable with 110 or Krone connecting tools and toolless also available. Cover cap also to protect the connector from dust. The terminal supplied with T568A and T568B wiring configuration on the edge is easy to read and prevent termination errors.

## SPECIFICATION



Standard	: ANSI/TIA-568-C.2 Category 6A, ISO/IEC-11801 Class EA, EN50173-1 and IEEE 802.3an (10GBase T)
Application	: 10G (XG), IEEE802.3, 10GBase-T, 1000Base-T, 10/100Base-TX, 4/16 Token ring, 155/622 and 1.2G ATM, POE, ISDN, VoIP and other
Product Type	: RJ45 Jack with cover caps
Wiring Pattern	: T568B/T568A Universal Color Pattern
Housing Material	: High Impact Flame Retardant Plastic
Housing Flammability Rating	: UL94V-0 ABS
Jack Contact	: Phosphor Bronze with over 50 micro-inches gold plating
Termination Block	: 90° & 180° 110 IDC , UL94V-0 Polycarbonate
Termination Material	: Phosphor Bronze with tin over 100 micro-inches nickel under plated
Durability	: 800 mating cycles (Modular Jack) 200 termination cycles (110 IDC Block)
Tool Free (Toolless Type)	: 180° IDC, UL94V-0 ABS
Shield Cover (Shield Type)	: Zinc Alloys, ZAMAC 3
Accept Wire Size	: 26AWG - 22AWG Solid & Stranded Wire
Approvals	: UL Listed E196947, 3P and ETL Certified CAT 6A
Certified	: Lead-free & RoHS Compliant by TUV



A



B



C



D

Part No.	Description	Type	Figure	Color
US-1022SL	CAT 6A RJ45 MODULAR JACK, Slim Type	Unshield	A	Metallic
US-1022TF	CAT 6A RJ45 MODULAR JACK, Tool Free	Unshield	B	Black
US-1034TFST	SHIELD, CAT 6A RJ45 MODULAR JACK, Tool Free w/Shutter	Full Shield	C	Metallic
US-1033TF	SHIELD, CAT 6A RJ45 MODULAR JACK, Tool Free	Full Shield	D	Metallic

## Category 6A In-Line Couplers

LINK In-Line Couplers provide a 180 Jack to Jack Splice. Couplers are available in eight position RJ45 Styles allow a simple operation with horizontal cables, which can easily be extended. Broken cables can be coupled without laying new complete cable segment. LINK In-Line Couplers are universal standards for all RJ45 Modular Plugs.

## SPECIFICATION

Standard	: ANSI/TIA-568-C.2 Category 6A, ISO/IEC-11801 Class EA, EN50173-1 and IEEE 802.3an (10GBase T)
Product Type	: RJ45 Jack to RJ45 Jack
Color	: White / Metallic with LINK logo
Certified	: Lead - free & RoHS Compliant by TUV



A



B

Part No.	Description	Type	Figure	Dimension (mm.)
US-4007	CAT 6A IN-LINE COUPLERS	Unshield	A	L 35 x W 16.3 x H 21
US-4007S	SHIELD CAT 6A IN-LINE COUPLERS	Shield	B	L 36 x W 17.8 x H 22

LINK Category 6A Patch Cords are ANSI/TIA-568-C.2 requirement for Category 6A performance. LINK Category 6A Patch Cords are assembled by manufacturer with totally test to reach the standard by Q.C team. LINK Category 6A Patch Cord assembly of high grade of CAT 6A Cable and CAT 6A Pulg with Cover Boot.

## SPECIFICATION



Standard	: ANSI/TIA-568-C.2 Category 6A, ISO/IEC-11801 Class EA, EN50173-1 and IEEE 802.3an (10GBase T)
Application	: 10G (XG), IEEE802.3, 10GBase-T, 1000Base-T, 10/100Base-TX, 4/16 Token ring, 155/622 and 1.2G ATM, POE, ISDN, VoIP and other
Cable	: Stranded wire flexible U/FTP and S/FTP category 6A performance
Color	: White (Available color on request)
Connector	: Category 6 RJ45 modular plug with over 50 micro-inches gold plating
Wire Size	: 26 AWG
Cover Boot	: Molding from manufacturer are designed to protect plugs and cables
Q.C.	: 100% factory assembly and testing
Approvals	: UL/cUL Listed E197771
Certified	: Lead-free & RoHS Compliant by TUV



Part No.	Description	Length (m.)	Color
US-5201S	CAT6A RJ45 to RJ45 PATCH CORD	1	White
US-5202S	CAT6A RJ45 to RJ45 PATCH CORD	2	White
US-5203S	CAT6A RJ45 to RJ45 PATCH CORD	3	White
US-5205S	CAT6A RJ45 to RJ45 PATCH CORD	5	White
US-5210S	CAT6A RJ45 to RJ45 PATCH CORD	10	White

## Velcro Strap

LINK Velcro Strap are general purpose ties are perfect for controlling and organizing wires, cords, and cables and for bundling. Adjustable Velcro Strap ties are strong, reusable, and designed for heavier-duty indoor or outdoor use

## SPECIFICATION

- Neatly organizes and secures your cable bundles and hoses
- Releasable design is easily installed and removed
- Strong Velcro can be reused many times for high cost effectiveness
- No tools are required for installation; these wraps are securely applied by hand and without strain Available in many colors for easy cable identification or decor matching



VELCRO STRAP

Part No.	Description	Packing
US-227X	VELCRO STRAP 14 x 100mm.	20pc/Pkg
US-228X	VELCRO STRAP 14 x 150mm.	20pc/Pkg
US-229X	VELCRO STRAP 14 x 250mm.	20pc/Pkg

X Color = 1 (White), 2 (Red), 3 (Green), 4 (Blue), 5 (Yellow), 6 (Black)

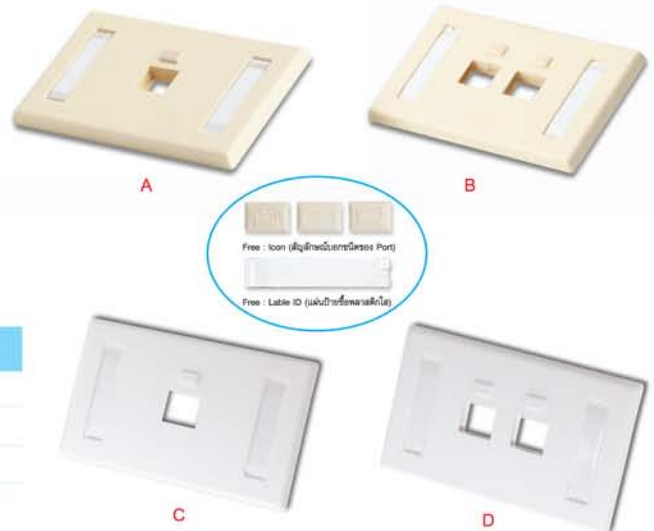
# Face Plates with Icon & ID Label

LINK Face Plate designs for fitting standard of electrical junction box, easy installation and checking your cabling system with Icon Labeling System which complied to TIA/EIA-606 Standard. Face Plate selectable of single and double port, which is suitable for all modular jack, changer and blank insert. Write-on label is protected by clear plastic cover.

## SPECIFICATION



Material : ABS, UL94V-0  
 Color : Ivory & White with LINK logo  
 ID Label : White Paper with clear plastic cover  
 Icon : Computer, Telephone, Blank  
 Dimension : L 114 x W 70 x H 7mm. (2" x 4" Standard)  
 RoHS Compliant



Part No.	Description	Figure
US-2001	FACE PLATE 1 PORT with ICON & LABEL ID, Ivory Color	A
US-2002	FACE PLATE 2 PORT with ICON & LABEL ID, Ivory Color	B
US-2001WH	FACE PLATE 1 PORT with ICON & LABEL ID, White Color	C
US-2002WH	FACE PLATE 2 PORT with ICON & LABEL ID, White Color	D

## Face Plates with Shutter, Icon & ID Label

LINK Face Plates with shutter are new designed for preventing dust and humidity which easy fitting standard of electrical junction box, easy installation and checking your cabling system with ID Labeling System which complied to TIA/EIA-606 Standard. Face Plate selectable of single, double and four port. Write-on label protected by clear plastic cover. LINK Face Plate fits all types of standard jack, changer and blank insert and have shutter for dust protection.

## SPECIFICATION

Material : ABS, UL94V-0  
 Color : White with LINK logo  
 ID Label : White Paper with clear plastic cover  
 Icon : Computer, Telephone, Blank  
 Dimension : L 114 x W 70 x H 7mm. (2" x 4" Standard)  
 RoHS Compliant



Part No.	Description	Figure
US-2121	FACE PLATE 1 PORT with SHUTTER, ICON & ID LABEL	A
US-2122	FACE PLATE 2 PORT with SHUTTER, ICON & ID LABEL	B

## Shiny White Face Plate

LINK shiny white face plate design for fitting standard 2" x 4" box, easy installation and color are similar to electrical face plate which complied to TIA/EIA-606 standard. LINK shiny white face plate fits all type of standard jack, multimedia insert.

## SPECIFICATION

Material : ABS UL-94V-0  
 Color : Shiny White  
 Dimension : L 114 x W 70 x H 5.5 mm  
 RoHS Compliant



Part No.	Description	Figure
US-2311	SHINY FACE PLATE, 1 Ports, White	A
US-2312	SHINY FACE PLATE, 2 Ports, White	B
US-2313	SHINY FACE PLATE, 3 Ports, White	C
US-2314	SHINY FACE PLATE, 4 Ports, White	D
US-2316	SHINY FACE PLATE, 6 Ports, White	E

Designed for change LINK RJ45 JACK for suitable with all kinds of Electrical Face Plates.

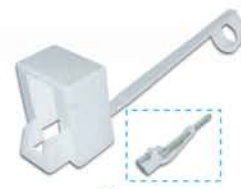
## SPECIFICATION



Material : ABS, UL94V-0  
 Color : Same as original face plate.  
 RoHS Compliant



Part No.	Description	Color	Figure	Package
US-2005	CHANGER For Full Colour Panasonic Face Plate	Panasonic, Full Color	A	10 Pcs/Bag
US-2006	CHANGER For Wide Series Panasonic Face Plate	Panasonic, Wide	B	10 Pcs/Bag
US-2107	CHANGER For Magic Bticino Face Plate	Bticino Magic	C	10 Pcs/Bag
US-2108	CHANGER For Matix Bticino Face Plate	Bticino Matix	D	10 Pcs/Bag
US-2109	CHANGER For New Clipsal Face Plate	Clipsal	E	1 Pcs/Bag
US-2001	BLANK Insert Face Plate	White	F	10 Pcs/Bag
US-1000	PLUG Cover W / line Clamp	White	G	10 Pcs/Bag
US-2200	RJ 45 SOCKET Protector	White	H	10 Pcs/Bag
US-2201	RJ 45 SOCKET Protector	White	H	10 Pcs/Bag

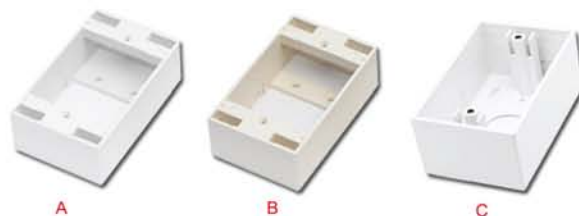


## Wall Boxes

LINK Wall Box designs for fitting standard of electrical junction box, easy installation. Suitable for all type of LINK standard face plate.

## SPECIFICATION

Material : ABS, UL94V-0  
 Housing Color : Ivory & White with LINK logo  
 Dimension : L 114 x W 70 x D 40 mm. (US-2015)  
 : L 114 x W 70 x D 47 mm. (US-2016)  
 Accessory : included two screws and nylon anchor  
 RoHS Compliant



Part No.	Description	Dimension (mm.)	Color	Figure
US-2015WH	WALL BOX 2" x 4", White	L 114 x W 70 x D 38	White	A
US-2015	WALL BOX 2" x 4", Original	L 114 x W 70 x D 38	Ivory	B
US-2016	WALL BOX 2" x 4", Deep	L 114 x W 70 x D 47	White	C

## Surface Mounted Boxes

LINK Surface Mounted Boxes with shutter design for Installation on the floor, on the wall or Installation for your requirement. The Surface Mount Boxes have the optional 1 port and 2 port for your requirement. Surface Mount Boxes suitable with LINK modular jack only.

## SPECIFICATION

Material : ABS, UL94V-0  
 Housing Color : White with blue logo  
 ID. Label : White Paper with clear plastic cover  
 Icon (Only Shutter) : Computer, Telephone, Blank  
 Application : Support all LINK RJ45 jack & RJ11 Jack  
 RoHS Compliant



Part No.	Description	Dimension (mm.)	Figure
US-2118	SURFACE MOUNT BOXE 1 PORT, With SHUTTER	L 65 x W 37 x H 30	A
US-2119	SURFACE MOUNT BOXE 2 PORT, With SHUTTER	L 65 x W 70 x H 30	B
US-2401	SURFACE MOUNT BOXE 1 PORT	L 50 x W 30 x H 30	C
US-2402	SURFACE MOUNT BOXE 2 PORT	L 50 x W 50 x H 30	D
US-2406	SURFACE MOUNT BOXE 6 PORT	L 120 x W 170 x H 38	E

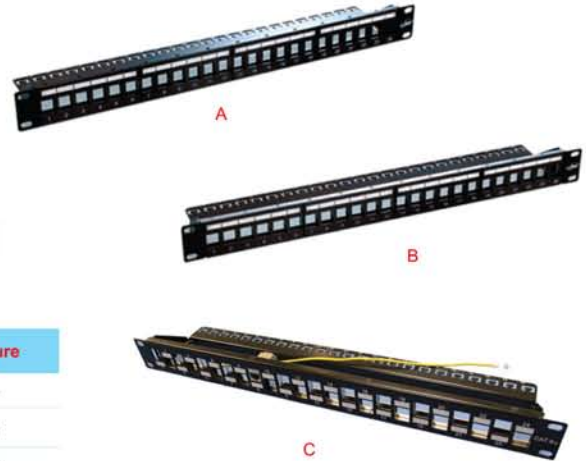


Unload multimedia patch panels provide the ability to field configure panels using a variety of connector modules as well as a wide range of multimedia modules including Unshield, Shield and Tool Free.

## SPECIFICATION



- Panel : Steel paint black color
- Cable Organizing : Supply with light weight rear cable management bracket steel
- Compatible : RJ45 Modular Jack CAT5E, CAT6 and CAT6A



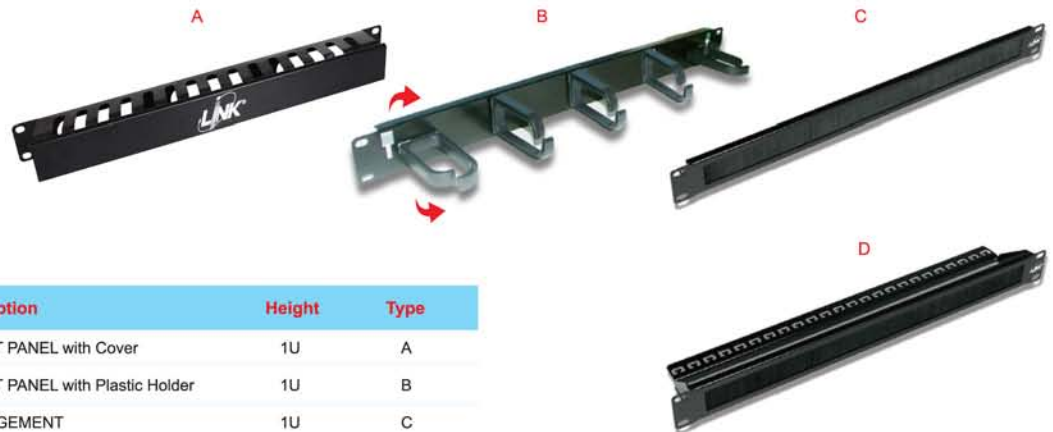
Part No.	Description	Height	Figure
US-3001	UNLOAD PATCH PANEL 24 PORT	1.75" (1U)	A
US-3002S	SHIELD UNLOAD PATCH PANEL 24 PORT	1.75" (1U)	B
US-3000SA	SHIELD UNLOAD PATCH PANEL 24 PORT	1.75" (1U)	C

## Cable Management Panels

Cable Management Panel is designed for easy management with adjustable ring or brush or brush with rear cable management. Materials are made from SPCC Steel and coat with high quality of powder paint.

## SPECIFICATION

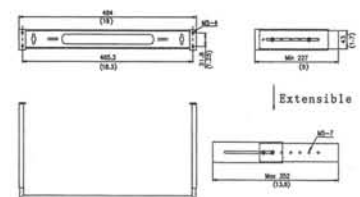
- Material : Steel
- No. of Ring : 5 Plastic Ring Holders
- Thickness : 1.0 - 1.5 mm.
- Finished : Black Color Painted
- Dimension : L 48.5 x W 4.5 x H 9 cm.



Part No.	Description	Height	Type
US-3053	CABLE MANAGEMENT PANEL with Cover	1U	A
US-3051	CABLE MANAGEMENT PANEL with Plastic Holder	1U	B
US-3054	BRUSH CABLE MANAGEMENT	1U	C
US-3055	BRUSH CABLE MANAGEMENT with Bracket Steel	1U	D

## 19" Extensible Wall Mounted Bracket

Extensible Wall Mounted Bracket can be mounted directly to wall to conserve telecommunications closet space. To adjust the depth of bracket you want and to contain all kinds of networking equipment. There are used instead of floor mounted racks to secure any industry 19" accessories, used them with all patch panel and cable management panel to give installations an organized professional appearance.

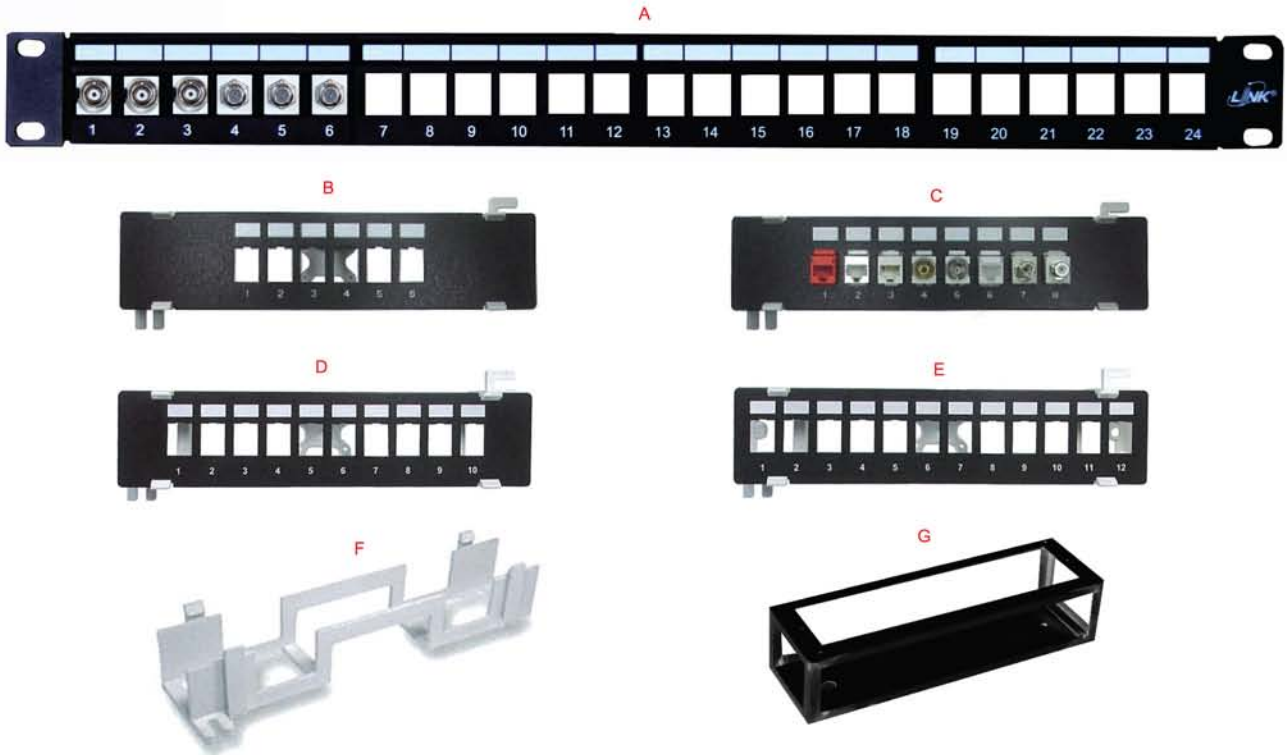


Part No.	Description	W x H x D (mm.)
US-3061/US-3161	19" Extensible Wall Mounted Bracket 1 U	480 x 43 x 227 (352) / 480 x 43 x 127 (180)
US-3062/US-3162	19" Extensible Wall Mounted Bracket 2 U	480 x 85 x 227 (352) / 480 x 85 x 127 (180)
US-3064/US-3164	19" Extensible Wall Mounted Bracket 4 U	480 x 117 x 227 (352) / 480 x 117 x 127 (180)



## FEATURES

- Multimedia patch panel for multi functions, compatible to RJ45 Jack, Multimedia insert
- Adjustable with vertical hole.
- High density 1U 24 port design for easy assembly and to maintain.
- Each port with clearly mark.



Part No.	Description	Figure
US-3001	24 Port Unload Patch PANEL 19" (1U) w/Label & Support	A
US-2502	6 Port PANEL 10" for Insert Module, Unload	B
US-2504	8 Port PANEL 10" for Insert Module, Unload	C
US-2506	10 Port PANEL 10" for Insert Module, Unload	D
US-2508	12 Port PANEL 10" for Insert Module, Unload	E
US-2500	10" Plastic Wall Mount BRACKET	F
US-2501	10" Steel Back Backet Support	G

## Multimedia Inserts Module

### FEATURES

Used with Face Plates, Multimedia Panel, Unload Patch Panel or any Panel Which Compatible to RJ45 Snap-in modular

Part No.	Description	Type of Adapter	Figure
US-2204	BNC Modular Insert	Female to Female	A
US-2207	TV (Pal) Modular Insert	TV to F-type	B
US-2209	F-Type Modular Insert	F to F-type	C
US-2230	LC Multimode Modular Insert	LC Duplex	D
US-2234	ST Multimode Modular Insert	ST Coupling	E
US-2236	SC Multimode Modular Insert	SC Duplex	F
US-2201	Blank Insert	White Color	G





Our Pop Up designs for installation in raised floor, access floor, concrete floor or installation for your requirement. The Pop Up have the optional 1, 2 and 3 port of RJ45 Modular Jacks loading. Outlet : pop up above floor for easy access.

## SPECIFICATION



Standard Jacks : ANSI/TIA-568-C.2 and ISO/IEC-11801 and EN50173-1  
 Body : Aluminium Alloy  
 Gasket : IP44  
 Square Box : Galvanize Steel 100 x 100 x 55 mm. with 1/2" & 3/4" Knockout (included)  
 Accept : CAT5E and CAT6 Modular Jack



Part No.	Description	Dimension (mm.)
US-2021	1 PORT POP UP with CAT 5E RJ45 Jack	L 100 x W 100 x D 55
US-2022	2 PORT POP UP with CAT 5E RJ45 Jack	L 100 x W 100 x D 55
US-2023	3 PORT POP UP with CAT 5E RJ45 Jack	L 100 x W 100 x D 55
US-2031	1 PORT POP UP with CAT 6 RJ45 Jack	L 100 x W 100 x D 55
US-2032	2 PORT POP UP with CAT 6 RJ45 Jack	L 100 x W 100 x D 55
US-2033	3 PORT POP UP with CAT 6 RJ45 Jack	L 100 x W 100 x D 55

## Waterproof Connector

The Waterproof Connector Products Provided a Solution For Variety Applications Such As Outdoor Networking, Physical, Chemical Equipment Laboratories Or Harsh Environments Where Expose To Liquid Or Dust Would Likely Occur.

- IP 67 Compliant.
- Prevented From Temporary Immersion For 30 Min. In 1-Meter Depth Of Water



Part No.	Description	Dimension(mm.)	Figure
US-7005	CAT5E Waterproof RJ45 JACK	-	A
US-7006	CAT6 Waterproof RJ45 JACK	-	A
US-7015	CAT5E Waterproof RJ45 COUPLER	-	B
US-7016	CAT6 Waterproof RJ45 COUPLER	-	B
US-7071	Stainless Waterproof FACE PLATE 1 Port	W 70 x L 115	C
US-7072	Stainless Waterproof FACE PLATE 2 Port	W 70 x L 115	D
US-7074	Stainless Waterproof FACE PLATE 4 Port	W 116 x L 115	E
US-7060	Waterproof Assembly Kit for Outdoor Cable	-	F
US-705X	CAT 5E RJ45-RJ45 Waterproof X M. PATCH CORD	Length on Request	G
US-706X	CAT 6 RJ45-RJ45 Waterproof X M. PATCH CORD	Length on Request	G
US-7080	Waterproof SURFACE MOUNT BOX	W 120 x L 80 x D 80	H

LINK RJ45 Fast jack and plug termination tools suitable for RJ45 modular jack SLIM TYPE CAT5E & CAT6 and RJ45 plug crimping die at the handle. Two functions in only one tool.

## SPECIFICATION



Type	: Fast Jack and Plug Termination
Frame	: Al-Zn Alloy with PE grip
Crimping	: Both LINK RJ45 Modular Jack & RJ45 Modular Plug
Suitable Jack	: US-1005SCX, US-1006SL
Suitable Plug	: US-1001, US-1051X US-1003, US-1002, US-1004
Application	: Fast & Professional



### Part No.

### Description

US-8061

Fast jack and plug termination tools

## RJ45, RJ11 & 4 Pos Professional Crimp Tools

LINK RJ45 Professional Crimp Tool Straight motion and precise crimping both 3 types of 4-6 Pos (RJ11, RJ12) and 4 Pos (HS) Modular Plug. This tool is suitable for standard modular plug without changing modular die set. Modular Holders are made of Al-Zn Alloy light weight with PE grip together with ratchet mechanism for easy to use. Professional and Deluxe type, Light weight, compact & durable with key way in 8 positions modular holder.

## SPECIFICATION

Type	: Professional Ratchet Type, Straight Motion
Frame	: Al-Zn Alloy with PE grip
Die Set	: Both 3 Types (RJ45, RJ11 & 4 Pos HS)
Crimping	: Cut and Strip wire by one operation and provide precise operation with key way in RJ45 Modular Plug
Cutting	: Cutting Tool Included
Application	: Durable & Professional



### Part No.

### Description

US-8001 R

RJ45, RJ11 & 4 POS PROFESSIONAL CRIMP TOOL

## RJ45, RJ11 & 4 Pos Hand Set Crimp Tools

RJ45 Hand Set Crimp Tool crimping both 3 types of 8 Pos (RJ45), 4-6 Pos (RJ11&RJ12) and 4 Pos (HS) Modular Plug. This tool is suitable for every modular plug. All made by steel and with PE grip together with ratchet mechanism for easy to use. Deluxe type, light weight, compact & durable with key way in 8 positions modular holder.

## SPECIFICATION

Type	: Deluxe Ratchet Type
Frame	: Steel and with PE grip
Die Set	: Both 3 Types (RJ45, RJ11 & 4 Pos HS)
Crimping	: Cut and Strip wire by one operation, easy and efficiency
Cutting	: Cutting Tool Included
Application	: Economic & Compact



### Part No.

### Description

US-8003

RJ45, RJ11 & 4 POS CRIMP TOOL

## Impact Tool with Blade 110

Impact tool for seating wire into terminal block and cut off wire end after terminated. Provide the work quick, easy and uniform.

## SPECIFICATION

Frame	: polyacepal resin with fiber glass
Blade	: SNCM-21 and harden
Impact	: Insert and Cutting
Application	: Interchangeable and reversible blade Blade are easy for changing and without using screw driver



### Part No.

### Description

US-8006

IMPACT TOOL with BLADE 110

## FEATURES



Box Size	: L 29.7 x W 19.7 x H 60cm.
Tools	: US-8003 RJ 45 ,RJ 11 & RJ 12 and 4 Pos HS Crimp tool
Tools	: US-8006 Impact Tool with Blade 110
Tester	: US-8010 UTP Cable Tester
Accessories	: US-8060 RJ 45 Jack Holder



Part No.	Description
US-8030	LAN PROFESSIONAL SET TOOLS & TESTER

## UTP Cable Tester

Enhanced network UTP cable tester is specified to quickly test by auto scanning the wire continuity, misswiring and polarization in your network cables, UTP/ STP/ T568A / T568B/ Token Ring by using the attached remote terminator. You can easily test the cable whatever before or after the cable installed. Enhanced network cable tester also allow you to test the ground of screen twisted pair cable. LINK UT-8010 is portable cable tester. It consists of two devices (Master & Remote set). The status of cable tested is displayed on both of the dual LEDs indicates. It supplies with handy bag.

### FEATURES

- Can test the entire Network System or individual Patch Cord.
- Light Show status Master & Remote.
- Easy to verify cable continuously, open, short and
- Can test either twist Cable or Telephone Cable
- Can test RJ45, RJ11, RJ12 and 4 Pos HS



Part No.	Description
US-8010	UTP CABLE TESTER

## NET Finder 25 & Tester

NET finder 25 is an expanded version of NET finder by adds the cable organizer function and includes 25 remotes. The organizer function allows the NET finder 25 to identify hub/switch ports at the closest level, and to match cables at up to 25 different locations.

### FEATURES

- All-in-one : Tester, tone generator, and port-finder Compatible with most cable tracers on the market Pin-to-pin LED indicators Local loop back test, open, shorts, mis-wire Remote terminator for testing pre-installed cables Auto-scan or manual step testing in forward, backward and stop sequences Manual step testing in forward, backward and stop sequences 25 Remotes IDs for organizing up to 25 cable locations Accessories to test video (BNC connector) and RJ45 Patch Cord



Part No.	Description
US-8012	Net Finder 24 & Tester With 24 Remotes IDs

## NET Toner & Probe kit

The Net Toner is a highly practical network installation and trouble-shooting tool, which features a single or multi-tone signal, two test leads and a 4-conductor modular cable. The signal, emitted by the Tone Generator can be easily traced by the Probe, even when cables are in a bundle or hidden in a mess of punch down blocks or wall plates. The Tone Generator and Probe can be used to verify cable continuity, identify wiring faults, determine line polarity and voltage in network and modular telephone line

The Probe is equipped with a tone amplifier and an LED indicator that detects audible frequency tones for accurate tracing and identification of wires. It's plastic conductive tip prevents shorting of expensive telecom and network equipment.

### FEATURES

**Net Toner** : Provides 2 selectable tones for tracing wires and cables Enhances talk battery power supply to allow communication over inactive pair Test cable/wire continuity, and determine line 1 and line 2 polarity Built-in alligator clips and 4-conductor RJ12 cable for multiple connection options Durable nylon carrying case with belt loop includes

**Net Probe** : Comes with adjustable table volume control Includes Ring/Tip polarity indicators and RJ45 jack An earphone jack for noisy environments With low-battery indicator and easy tip replacement Lanyards attachment point for hand-free operation



Part No.	Description
US-8015	Net Toner & Probe Kit



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