

CATEGORY 6 CABLING SOLUTIONS

With over 20 years experience and know-how on communicating products design & developing, Premium Line has built maturity systems both in high tech develop and research center & complete structural quality assurance lab and team. With team approach, all components and the cabling solutions, definitely will be your first choice and reliable selection.



Solutions and Components

Currently, the Category 6 solution is the most popular in the structural cabling. Premium Line has been the high quality source in the worldwide market since this becoming the trend. With the comprehensive product range, we supply components – communication cables, keystone jacks, compact outlets, patch panels, patch cables... the complete solutions and system warranty. All these products and solution performance has been verified and approved by third party laboratory – “3P” and “ETL” . After years of good result in market also systemically upgrading of the products, assure you the great benefits both in quality and cost.

Our Quality Guarantee

To build a complete high level channel in the project, the precondition is to make sure each component with compatible resistance, thus, the best solution is to use the same brand products or single component with excellent performance.

Premium Line offers you complete Category 6 System solutions which fulfill these requirements, also with the internal specific definition and qualification procedure for each single component is right on the purpose to ease the installation with good and convincible field test results.

Be Our 25 Years Warranty Member

To guide and support companies, which use complete Premium Line brand owned products, we offer the 25 years warranty. Premium Line will hold distributor and installer trainings and certification. With this certificate, all members will be available to apply for 25 years quality warranty and service.

Project Support

Our sales team will share you marketing strategy and almost world project information, which will help you to win the bid. Our international purchasing team will source you the special products to make your supply chain easy and simple.



Premium Line Category 6 Cabling Solutions

Installation cable

- Category 6 U/FTP 450MHz
- Category 6 F/UTP 250MHz
- Category 6 U/UTP 250MHz

Compact Outlet

- Category 6 Compact Outlet

Shielded Keystone Jack

- Category 6 Shielded Keystone Jack
- Category 6 Shielded Die-Casting Keystone Jack
- Category 6 90° & 180° Unshielded Keystone Jack
- Category 6 90° Unshielded Slim Keystone Jack
- Category 6 180° Unshielded Shutter Type Keystone Jack

Modular Patch Panel

- High Density Unloaded Patch Panel

Patch Panel

- Category 6 1U & 0.5U Shielded Patch Panel
- Category 6 Unshielded Patch Panel
- Category 6 Labeling Holder Panel
- Category 6 0.5U/24 Port & 1U/48 Port Unshielded Patch Panel

Patch Cord

- Category 6 S/FTP Patch Cord
- Category 6 U/UTP System Patch Cord
- Category 6 U/UTP Retail Patch Cord
- Category 6 U/UTP Flat Patch Cord

Flexible Consolidation Point Cable

- Category 6 U/UTP CP Cable

CATEGORY 6 CABLING SOLUTIONS

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Premium Line Category 6 components comply with requirements as per standard ANSI/TIA 568-C.2, ISO/IEC 11801 ED.2, EN 50173-1, these consist of compete Category 6 channel to fully support the corresponding protocols & communication services.



Installation Cable

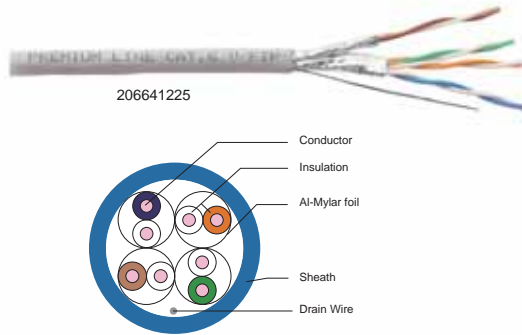
Category 6 U/FTP 450MHz

Standards:

- ANSI/TIA-568-C.2
- ISO/IEC 11801 ED.2
- CENELEC EN 50173-1
- CENELEC EN 50288-5-1
- Flame retardancy according to IEC 60332-1-2
- RoHS compliant

Application:

- 1000BASE-TX (Gigabit Ethernet)
- 1000BASE-T (Gigabit Ethernet)
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice



Construction

Conductor	Material / size	Bare Copper / 23 AWG
Insulation	Material	Foam-Skin PE
Inner-Shield	Aluminum-Mylar	An aluminum foil screen around each pair
Drain Wire	Material	Stranded Tinned Copper / 26AWG
Sheath	Material	PVC / LSOH
	Diameter	7.2± 0.3 mm

Mechanical & Environmental Characteristics

Bending Radius	≥ 6D, without load ≥ 8D, with load
Operation Temperature	-20°C~+60°C
Installation Temperature	0°C~+50°C
Storage Temperature	-30°C~+60°C

Electrical Performance

Freq (MHz)	Insertion Loss (dB)		NEXT (dB/100m)		PS NEXT (dB)		ACR (dB)		PS ACR (dB)		ACR-F (dB)		PS ACR-F (dB)		Return Loss (dB)	
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.
1.0	2.1	1.8	74.3	87.3	72.3	85.3	72.2	85.5	70.2	83.5	67.8	84.8	64.8	79.8	20.0	29.0
4.0	3.8	3.5	65.3	78.3	63.3	76.3	61.4	74.8	59.4	72.8	55.8	72.8	52.8	67.8	23.0	32.0
10.0	6.0	5.6	59.3	72.3	57.3	70.3	53.3	66.7	51.3	64.7	47.8	64.8	44.8	59.8	25.0	38.0
16.0	7.6	7.1	56.2	69.2	54.2	67.2	48.6	62.1	46.6	60.1	43.7	60.7	40.7	55.7	25.0	34.0
20.0	8.5	7.9	54.8	67.8	52.8	65.8	46.2	59.9	44.2	57.9	41.8	58.8	38.8	53.8	25.0	34.0
31.25	10.8	10.0	51.9	64.9	49.9	62.9	41.1	54.9	39.1	52.9	37.9	54.9	34.9	49.9	23.6	32.0
62.5	15.5	14.4	47.4	60.4	45.4	58.4	31.9	46.0	29.9	44.0	31.9	48.9	28.9	43.9	21.5	32.0
100.0	19.9	18.6	44.3	57.3	42.3	55.3	24.4	38.7	22.4	36.7	27.8	44.8	24.8	39.8	20.1	32.0
160.0	25.8	24.1	41.2	54.2	39.2	52.2	15.5	230.1	13.5	28.1	23.7	40.7	20.0	35.7	18.7	31.0
200.0	29.0	26.8	39.8	52.8	37.8	50.8	10.6	26.0	8.6	24.0	21.8	38.8	18.8	33.8	18.0	29.0
250.0	33.0	30.5	38.3	51.3	36.3	49.3	5.3	20.8	3.3	18.8	19.8	37.0	16.8	31.8	17.3	29.0
300.0	36.4	33.7	37.2	50.0	35.2	48.1	0.8	16.3	—	14.4	18.3	36.0	15.3	30.0	16.8	27.0
450.0	46.0	43.3	34.5	48.5	32.5	45.3	—	5.2	—	2.0	14.8	30.0	11.8	25.0	15.6	24.0

Category 6 U/FTP Installation Cable

PART NO.	DESCRIPTION	PACKING SIZE
206641225	Premium Line Category 6 U/FTP Installation cable, 500 m reel, PVC, Grey	50(O.D)x31(H) cm
206642225	Premium Line Category 6 U/FTP Installation cable, 500 m reel, LSOH, Grey	50(O.D)x31(H) cm

Installation Cable

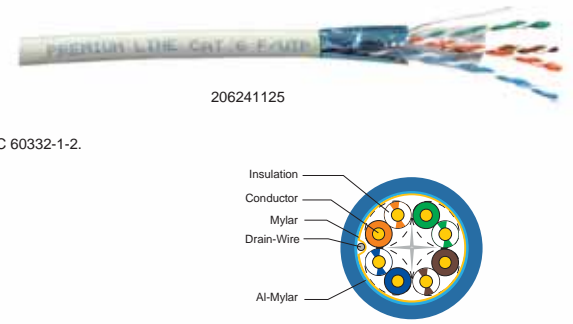
Category 6 F/UTP 250MHz

Standards:

- ANSI/TIA-568-C.2
- ISO/IEC 11801 ED.2
- CENELEC EN 50173-1
- CENELEC EN 50288-6-1,
- flame retardancy is verified according to IEC 60332-1-2.
- RoHS compliant

Application:

- 1000BASE-TX (Gigabit Ethernet)
- 1000BASE-T (Gigabit Ethernet)
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice



Construction

Conductor	Material / size	Bare Copper / 23 AWG
Insulation	Material	HDPE
Sheath	Material	PVC / LSOH
	Diameter	7.4± 0.4 mm

Mechanical & Environmental Characteristics

Bending Radius	≥ 6D, without load ≥ 8D, with load
Operation Temperature	-20°C~+60°C
Installation Temperature	0°C~+50°C
Storage Temperature	-30°C~+60°C

Electrical Performance

Freq (MHz)	Insertion Loss (dB)		NEXT (dB/100m)		PS NEXT (dB)		ACR (dB)		PS ACR (dB)		ACR-F (dB)		PS ACR-F (dB)		Return Loss (dB)	
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.
1.0	2.1	1.8	74.3	82.3	72.3	77.3	72.2	80.5	70.2	75.5	67.8	84.8	64.8	79.8	20.0	29.0
4.0	3.8	3.5	65.3	73.3	63.3	68.3	61.4	69.8	59.4	64.8	55.8	72.8	52.8	67.8	23.0	32.0
10.0	6.0	5.6	59.3	67.3	57.3	62.3	53.3	61.7	51.3	56.7	47.8	64.8	44.8	59.8	25.0	38.0
16.0	7.6	7.1	56.2	64.2	54.2	59.2	48.6	57.1	46.6	52.1	43.7	60.7	40.7	55.7	25.0	34.0
20.0	8.5	7.9	54.8	62.8	52.8	57.8	46.2	54.9	44.2	49.9	41.8	58.8	38.8	53.8	25.0	34.0
31.25	10.8	10.0	51.9	59.9	49.9	54.9	41.1	49.9	39.1	44.9	37.9	54.9	34.9	49.9	23.6	32.0
62.5	15.5	14.4	47.4	55.4	45.4	50.4	31.9	41.0	29.9	36	31.9	48.9	28.9	43.9	21.5	32.0
100.0	19.9	18.6	44.3	52.3	42.3	47.3	24.4	33.7	22.4	28.7	27.8	44.8	24.8	39.8	20.1	32.0
160.0	25.9	24.1	41.2	49.2	39.2	44.2	15.5	25.1	13.5	20.1	23.7	40.7	20	35.7	18.7	31.0
200.0	29.0	26.8	39.8	47.8	37.8	42.8	10.6	21.0	8.6	15.2	21.8	38.8	18.8	33.8	18.0	29.0
250.0	33.0	30.5	38.3	46.3	36.3	40.3	5.3	15.8	3.3	10.8	19.8	37	16.8	31.8	17.3	29.0

Category 6 F/UTP Installation Cable

PART NO.	DESCRIPTION	PACKING SIZE
206241125	Premium Line Category 6 F/UTP Installation Cable, 305m Reel, PVC, Grey	37x37x21 cm
206242125	Premium Line Category 6 F/UTP Installation Cable, 305m Reel, LSOH, Grey	37x37x21 cm

**CATEGORY 6
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Compact Outlet
Category 6 Compact Outlet

Premium Line compact outlet is in dedicated design for European market. With the high electrical performance also the high quality physical material used for inner construction and outside appearance, it provides both easy and reliable field installation and also real long time application. And it's finished in size 80x80mm.

Physical Characteristics

Plate	ABS, UL94 V-0
Jack	45° 8P8C RJ45 jack Plastic housing: engineering thermoplastic
IDC	PC, Dual 8pin IDC IDC Contacts:100µ inch nickel plated over phosphor bronze

Applications

- 1000BASE-TX
- 1000BASE-T
- 100BASE-T4
- 100BASE-TX
- 10BASE-T
- ATM-25/ATM-51/ATM-155/100VG-AnyLan
- TR-4/TR-16 Active/TR16 Passive



111611280



111621280

All the products are verified to the electrical characteristics required in the directive.

Category 6 Compact Outlet

PART NO.	DESCRIPTION	PACKING SIZE
111611280	Premium Line Category 6 Unshielded Compact Outlet, 80x80mm, RAL1013	51x29x26.5 cm
111611290	Premium Line Category 6 Unshielded Compact Outlet, 80x80mm, RAL9010	51x29x26.5 cm
111621280	Premium Line Category 6 Shielded Compact Outlet, 80x80mm, RAL1013	51x29x26.5 cm
111621290	Premium Line Category 6 Shielded Compact Outlet, 80x80mm, RAL9010	51x29x26.5 cm

CATEGORY 6 CABLING SOLUTIONS

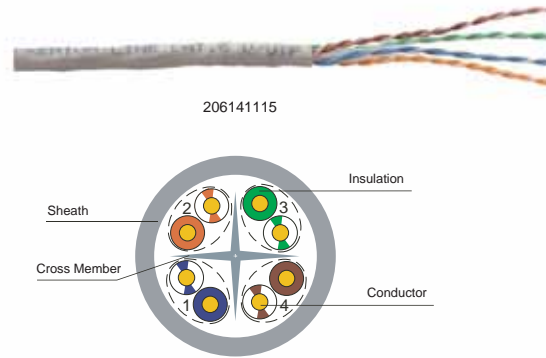
Installation Cable
Category 6 U/UTP 250MHz

Standards:

- ANSI/TIA-568-C.2
- ISO/IEC 11801 ED.2
- CENELEC EN 50173-1
- CENELEC EN 50288-6-1,
- flame retardancy is verified according to IEC 60332-1-2.
- 3P certified ANSI/TIA-568-B.2-1
- ETL certified ANSI/TIA-568-B.2-1
- RoHS compliant

Application:

- 1000BASE-TX (Gigabit Ethernet)
- 1000BASE-T (Gigabit Ethernet)
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice



206141115

Construction

Conductor	Material / size	Bare Copper / 23 AWG
Insulation	Material	HDPE
Sheath	Material	PVC / LSOH
	Diameter	6.2± 0.3 mm

Mechanical & Environmental Characteristics

Bending Radius	≥ 6D, without load ≥ 8D, with load
Operation Temperature	-20°C~+60°C
Installation Temperature	0°C~+50°C
Storage Temperature	-30°C~+60°C

Electrical Performance

Freq (MHz)	Insertion Loss (dB)		NEXT (dB/100m)		PS NEXT (dB)		ACR (dB)		PS ACR (dB)		ACR-F (dB)		PS ACR-F (dB)		Return Loss (dB)	
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.
1.0	2.1	1.8	74.3	82.3	72.3	77.3	72.2	80.5	70.2	75.5	67.8	84.8	64.8	79.8	20.0	29.0
4.0	3.8	3.5	65.3	73.3	63.3	68.3	61.4	69.8	59.4	64.8	55.8	72.8	52.8	67.8	23.0	32.0
10.0	6.0	5.6	59.3	67.3	57.3	62.3	53.3	61.7	51.3	56.7	47.8	64.8	44.8	59.8	25.0	38.0
16.0	7.6	7.1	56.2	64.2	54.2	59.2	48.6	57.1	46.6	52.1	43.7	60.7	40.7	55.7	25.0	34.0
20.0	8.5	7.9	54.8	62.8	52.8	57.8	46.2	54.9	44.2	49.9	41.8	58.8	38.8	53.8	25.0	34.0
31.25	10.8	10.0	51.9	59.9	49.9	54.9	41.1	49.9	39.1	44.9	37.9	54.9	34.9	49.9	23.6	32.0
62.5	15.5	14.4	47.4	55.4	45.4	50.4	31.9	41.0	29.9	36	31.9	48.9	28.9	43.9	21.5	32.0
100.0	19.9	18.6	44.3	52.3	42.3	47.3	24.4	33.7	22.4	28.7	27.8	44.8	24.8	39.8	20.1	32.0
160.0	25.9	24.1	41.2	49.2	39.2	44.2	15.5	25.1	13.5	20.1	23.7	40.7	20	35.7	18.7	31.0
200.0	29.0	26.8	39.8	47.8	37.8	42.8	10.6	21.0	8.6	15.2	21.8	38.8	18.8	33.8	18.0	29.0
250.0	33.0	30.5	38.3	46.3	36.3	40.3	5.3	15.8	3.3	10.8	19.8	37	16.8	31.8	17.3	29.0

Category 6 U/UTP Installation Cable

PART NO.	DESCRIPTION	PACKING SIZE
206141115	Premium Line Category 6 U/UTP Installation Cable, 305m Box, PVC, Grey	45x45x21 cm
206142115	Premium Line Category 6 U/UTP Installation Cable, 305m Box, LSOH, Grey	45x45x21 cm



CATEGORY 6 CABLING SOLUTIONS

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Keystone Jack

Category 6 Shielded Die-Casting Keystone Jack

Premium Line 180° shielded Die-casting Keystone Jack in special design for optimal EMI protection. Tool-less design no need additional tools for termination, supports T568 A&B wiring.

Keystone Jack

Category 6 Shielded Keystone Jack

Premium Line 90° shielded Keystone Jack is in fully shielded design, optimizes shield effectiveness protection from EMI. Dual IDC connector can accept 22-26 AWG solid cables, supports T568 A&B wiring, and it uses 110 or Krone tools for termination.

Premium Line Category 6 shielded Keystone Jack performance conforms to ANSI/TIA-568-C.2, ISO/IEC 11801 and EN50173-1 Category 6 specifications, supports the channel link bandwidth up to 250MHz.



Physical Characteristics

Jack	Phosphor bronze, 50µ inch gold plating over nickel in contact area
IDC	100µ inch nickel plated over phosphor bronze
Shielded Cover	50-60µ inch nickel plated over phosphor bronze

Electrical Characteristics

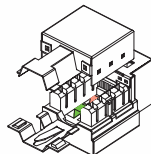
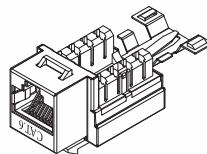
Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	10MΩ Min.
Contact Resistance	2mΩ per contact
Temperature Range	-10°C to 60°C
Humidity	10%-90%; non condensing

Applications

- 1000BASE-TX Gigabit Ethernet
- 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice, Video and other applications



106211010



Physical Characteristics

Body Material	Housing: PC, UL94 V-0 Body: zinc die-casting
Jack Contact	phosphor bronze, 50µ inch gold plated over nickel
IDC Contacts	100µ inch nickel plated over phosphor bronze

Electrical Characteristics

Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	10MΩ Min.
Contact Resistance	2mΩ per contact
Temperature Range	-10°C to 60°C
Humidity	10%-90%; non condensing

Applications

- 1000BASE-TX Gigabit Ethernet
- 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet.
- 10BASE-T Ethernet.
- Voice, Video and other applications.



106524010



All the products are verified to the electrical characteristics required in the directive.

Category 6 Shielded Keystone Jack

PART NO.	DESCRIPTION	PACKING SIZE
106211010	Premium Line Category 6 90° Shielded Keystone Jack, Dual Type IDC	53.8x35.2x27 cm

All the products are verified to the electrical characteristics required in the directive.

Category 6 Shielded Die-Casting Keystone Jack

PART NO.	DESCRIPTION	PACKING SIZE
106524010	Premium Line Category 6 180° Shielded Die-Casting Keystone Jack	53.8x35.2x27 cm
170252402	Premium Line High Density Shielded Unloaded Patch Panel with Integrated Bar	50.5x27.9x27 cm

CATEGORY 6 CABLING SOLUTIONS



CATEGORY 6 CABLING SOLUTIONS

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Keystone Jack

Category 6 180° Unshielded Keystone Jack

Premium Line 180° unshielded keystone jack is in classical design, it's compatible with all Premium Line unloaded modules. The dual type IDC accepts 22-26 AWG solid cables, easy terminated with 110 or Krone tools, supports T568 A&B wiring.

With its good & stable performance, this module earns the good sales result in the market.



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CATEGORY 6 CABLING SOLUTIONS

Keystone Jack

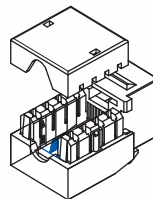
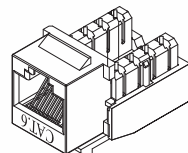
Category 6 90° Unshielded Keystone Jack

Premium Line 90° unshielded keystone jack is in classical design, the dual type IDC accepts 22-26 AWG solid cables, easy terminated with 110 or Krone tools, supports T568 A&B wiring.

With its good & stable performance, this module earns the good sales result in the market.



106111010



Physical Characteristics

Housing	PC, UL94 V-0
Jack Contact	phosphor bronze, 50µ inch gold plated over nickel
IDC Contacts	100µ inch nickel plated over phosphor bronze

Electrical Characteristics

Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	10MΩ Min.
Contact Resistance	2mΩ per contact
Temperature Range	-10°C to 60°C
Humidity	10%~90%; non condensing

Applications

- 1000BASE-TX Gigabit Ethernet
- 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice, Video and other applications

Physical Characteristics

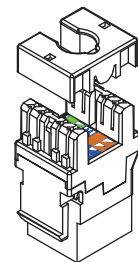
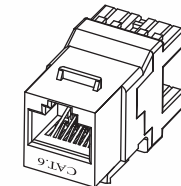
Body Material	Housing: PC, UL94 V-0
Jack Contact	phosphor bronze, 50µ inch gold plated over nickel
IDC Contacts	100µ inch nickel plated over phosphor bronze

Electrical Characteristics

Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	10MΩ Min.
Contact Resistance	2mΩ per contact
Temperature Range	-10°C to 60°C
Humidity	10%~90%; non condensing

Applications

- 1000BASE-TX Gigabit Ethernet
- 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet.
- 10BASE-T Ethernet.
- Voice, Video and other applications.



All the products are verified to the electrical characteristics required in the directive.

Category 6 Unshielded Keystone Jack

PART NO.	DESCRIPTION	PACKING SIZE
106111010	Premium Line Category 6 90° Unshielded Keystone Jack, Dual Type IDC, White	53.8x35.2x27 cm

All the products are verified to the electrical characteristics required in the directive.

Category 6 Unshielded Keystone Jack

PART NO.	DESCRIPTION	PACKING SIZE
106121010	Premium Line Category 6 180° Unshielded Keystone Jack, Dual Type IDC, White	53.8x35.2x27 cm
171022402	Premium Line 24port High Density Unloaded Patch Panel for Unshielded Keystone Jacks, Black	50.4x24.5x25.4 cm



CATEGORY 6 CABLING SOLUTIONS

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Keystone Jack

Category 6 90° Unshielded Slim Keystone Jack

Premium Line Category 6 90° unshielded slim keystone jack is the mini type of standard 90° unshielded keystone jack as its naming. All inner construction and characteristics are same as normal one.

Physical Characteristics

Housing	PC, UL94 V-0
Jack Contact	phosphor bronze, 50µ inch gold plated over nickel
IDC Contacts	100µ inch nickel plated over phosphor bronze

Applications

- 1000BASE-TX Gigabit Ethernet.
- 1000BASE-T Gigabit Ethernet.
- 100BASE-TX Fast Ethernet.
- 10BASE-T Ethernet.
- Voice, Video and other applications.



106311010

Keystone Jack

Category 6 180° Unshielded Shutter Type Keystone Jack

Premium Line Category 6 180° unshielded shutter type keystone jack is ideal design for protect jack against ingress of dirt, ease the work in field installation and future ports management. The rest is same as standard 180° keystone module, supports easy termination, accepts 22-26 AWG solid cables, supports T568 A&B wiring. The finish product complies with EU ROHS directive.

Physical Characteristics

Housing	PC, UL94 V-0
Jack Contact	phosphor bronze, 50µ inch gold plated over nickel
IDC Contacts	100µ inch nickel plated over phosphor bronze

Applications

- 1000BASE-TX Gigabit Ethernet.
- 1000BASE-T Gigabit Ethernet.
- 100BASE-TX Fast Ethernet.
- 10BASE-T Ethernet.
- Voice, Video and other applications.



106621020

106621010



106721010

All the products are verified to the electrical characteristics required in the directive.

Category 6 Unshielded Keystone Jack

PART NO.	DESCRIPTION	PACKING SIZE
106311010	Premium Line Category 6 90° Unshielded Slim Keystone Jack, Dual Type IDC	42.4x35.2x24 cm
106621010	Premium Line Category 6 180° Unshielded Shutter Keystone Jack	62x42x43 cm
106721010	Premium Line Category 6 180° Unshielded Slim Shutter Keystone Jack	53.8x35.2x27 cm

Modular Patch Panel

High Density Unloaded Patch Panel

Premium Line unshielded compact unloaded patch panel is in dedicated design to adopt Premium Line 180° Unshielded keystone jack or 90° slim keystone jack, to meet different place use intentions. Each port has sequence numbering, plastic labeling remark and above markable position, is right for future port identification or re-management. Main body is made of single complete steel plate, finished in 1U 19" size, suits for all standard 19" rack installation.



106621020



171022402



All the products are verified to the electrical characteristics required in the directive.

High Density Unloaded Patch Panel

PART NO.	DESCRIPTION	PACKING SIZE
171022402	Premium Line 24port High Density Unloaded Patch Panel for Unshielded Keystone Jacks, Black	50.4x24.5x25.4 cm
195030002	Premium Line Cable Management Bar, Screw Type, Black	50.5x27.9x27 cm

CATEGORY 6 CABLING SOLUTIONS

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Patch Panel

Category 6 1U Shielded Patch Panel

Premium Line Category 6 shielded Patch panel comply with ANSI/TIA-568-C.2, ISO/IEC 11801 and EN 50173-1 Class E specifications. The complete module complies with EU ROHS directive.

The construction is in standard 1U 19" size, suits for all 19" rack installation. The main metal frame and rear back cover are made of SECC material, with the thickness over 1.0mm. Dual type IDC accepts 22-26 AWG solid cable, easy for termination with 110 or Krone tools. The finished product is available in black or light gray RAL7035 color.

Physical Characteristics

Jack	Phosphor bronze, 50µ inch gold plating over nickel in contact area
IDC	100µ inch nickel plated over phosphor bronze
Shielded Cover	50-60µ inch nickel plated over phosphor bronze

Electrical Characteristics

Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	10MΩ Min.
Contact Resistance	2mΩ per contact
Temperature Range	-10°C to 60°C
Humidity	10%-90%; non condensing

Applications

- 1000BASE-TX Gigabit Ethernet
- 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice, Video and other applications



176212412

All the products are verified to the electrical characteristics required in the directive.

Category 6 1U Shielded Patch Panel

PART NO.	DESCRIPTION	PACKING SIZE
176212412	Premium Line Category 6 24port Shielded Patch Panel, Dual Type IDC, Black	50.5x27.9x27 cm
176212419	Premium Line Category 6 24port Shielded Patch Panel, Dual Type IDC, RAL7035	50.5x27.9x27 cm

Patch Panel

Category 6 0.5U Shielded Patch Panel

Premium Line Category 6 0.5U shielded Patch panel complies with ANSI/TIA-568-C.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" but in 0.5U size, this is the only difference from Premium Line 1U shielded patch panel on the purpose of rack space saving. The main metal frame and rear back cover made by SECC material, with the thickness over 1.0mm. Dual type IDC accepts 22-26 AWG solid cable, easy for termination with 110 or Krone tools. The finished product available in black or light gray RAL7035 color.

Physical Characteristics

Jack	Phosphor bronze, 50µ inch gold plating over nickel in contact area
IDC	100µ inch nickel plated over phosphor bronze
Shielded Cover	50-60µ inch nickel plated over phosphor bronze

Electrical Characteristics

Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	10MΩ Min.
Contact Resistance	2mΩ per contact
Temperature Range	-10°C to 60°C
Humidity	10%-90%; non condensing

Applications

- 1000BASE-TX Gigabit Ethernet
- 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice, Video and other applications



176272412

All the products are verified to the electrical characteristics required in the directive.

Category 6 0.5U Shielded Patch Panel

PART NO.	DESCRIPTION	PACKING SIZE
176272412	Premium Line Category 6 24port Shielded Patch Panel, 0.5U, Dual Type IDC, Black	50.5x27.9x27 cm
176272419	Premium Line Category 6 24port Shielded Patch Panel, 0.5U, Dual Type IDC, RAL7035	50.5x27.9x27 cm



CATEGORY 6 CABLING SOLUTIONS

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Patch Panel

Category 6 Unshielded Patch Panel

Premium line Category 6 unshielded patch panel complies with ANSI/TIA-568-C.2, ISO/IEC 11801 and EN 50173-1 Class E specifications. The complete module complies with EU ROHS directive.

The construction is in standard 1U 19" size, suits for all 19" rack installation. The main metal frame are made of SECC material, with the thickness over 1.0mm. Dual type IDC accepts 22-26 AWG solid cable, easy for termination with 110 or Krone tools. The finished product is available in 24 ports (1U) and 48 ports (2U).

Physical Characteristics

Jack	Phosphor bronze, 50µ inch gold plating over nickel in contact area
IDC	100µ inch nickel plated over phosphor bronze

Electrical Characteristics

Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	10MΩ Min.
Contact Resistance	2mΩ per contact
Temperature Range	-10°C to 60°C
Humidity	10%~90%; non condensing

Applications

- 1000BASE-TX Gigabit Ethernet
- 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice, Video and other applications



176122412

All the products are verified to the electrical characteristics required in the directive.

Category 6 Unshielded Patch Panel

PART NO.	DESCRIPTION	PACKING SIZE
176122412	Premium Line Category 6 24port Unshielded Patch Panel, Dual Type IDC, Black	50x24.5x25.5 cm
176124812	Premium Line Category 6 48port Unshielded Patch Panel, Dual Type IDC, Black	50x24.5x25.5 cm
195000002	Premium Line Cable Management Bar, Click On Type, Black	50.5x27.9x27 cm
195030002	Premium Line Cable Management Bar, Screw Type, Black	50.5x27.9x27 cm

Patch Panel

Category 6 Labeling Holder Panel

Premium line Category 6 labeling unshielded patch panel complies with TIA/EIA-568C.2, ISO/IEC 11801 and EN 50173-1 Class E specifications. The complete module complies with EU ROHS directive.

Physical Characteristics

Jack	Phosphor bronze, 50µ inch gold plating over nickel in contact area
IDC	100µ inch nickel plated over phosphor bronze

Electrical Characteristics

Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	10MΩ Min.
Contact Resistance	2mΩ per contact
Temperature Range	-10°C to 60°C
Humidity	10%~90%; non condensing

Applications

- 1000BASE-TX Gigabit Ethernet
- 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice, Video and other applications



176722412

All the products are verified to the electrical characteristics required in the directive.

Category 6 Labeling Holder Panel

PART NO.	DESCRIPTION	PACKING SIZE
176722412	Premium Line Category 6 24port Unshielded Patch Panel with Labeling Holder, Dual Type IDC, Black	50x24.5x25.5 cm

CATEGORY 6 CABLING SOLUTIONS

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Patch Panel

Category 6 0.5U/24 Port & 1U/48 Port Unshielded Patch Panel

Premium Line Category.6 19" High Density Patch Panel, 24 port in 0.5U and 48Ports in 1U Size, could significantly expand your capacity by space saving in the rack! For any cross-connect rack and HC networking rack in the datacenter or TR, it's the ideal design to achieve more flexible deployment and also anytime available end subscribers' expansion. Two pieces easy click-in cable management bar at the back side is high strength affordable. The compact design saving physical space in rack and combine with its quality headroom margin performance, the panel is your ideal budget saving and competitive solution to others.



176182412



176144812



All the products are verified to the electrical characteristics required in the directive.

Category 6 0.5U Unshielded Patch Panel

PART NO.	DESCRIPTION	PACKING SIZE
176182412	Premium Line Category 6 0.5U UTP Patch Panel With Cable Management Bar, 24 Ports	52x24x34 cm
176144812	Premium Line Category 6 1U UTP Patch Panel With Cable Management Bar, 48 Ports	52x24x52 cm
195000502	Premium Line Cable Management Bar for 0.5U panel, Click On Type, Black	52x24x36 cm

Patch Cord

Category 6 S/FTP Patch Cord

Premium Line Category.6 S/FTP system patch cord is factory verified products, dedicated for data-center and high end project use.

To realize the high performance, the cable is coming two shielding layers. Each pair is wrapping with individual Aluminum-Mylar film, to eliminate the near end pair to pair interferences.

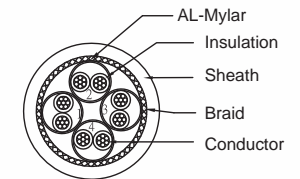
Again a aluminum coated braiding laid over the inner structure, to provide protection against from outside EMI interferences.

Compliances:

- ANSI/TIA/EIA 568-C.2 Category.6
- ISO/IEC 11801 2nd Edition Class D
- CENELEC EN 50173-1 Class D
- CENELEC EN 50288
- 3P certified Channel Performance
- flame retardance according to IEC 60332-1-2
- RJ45 contacts 50µ inch gold plated
- molded snag proof boot
- RoHS compliant

Applications:

- Premises environment, ideal for severe electrical interference places, or along with active power devices
- 1000BASE-TX Gigabit Ethernet
 - 1000BASE-T Gigabit Ethernet
 - 100BASE-TX Fast Ethernet
 - 10BASE-T Ethernet
 - Voice, Video and other applications



Construction

Conductor	Material / size	Bare Copper / 26 AWG
Insulation	Construction	7/0.16 ± 0.005 mm
	Material	Foam-Skin PE
Inner-Shield	Aluminum-Mylar	an aluminum foil screen around each pair
Braid	Material	Tinned Copper
	Coverage	Nom. 48%
Sheath	Material	PVC / LSOH
	Diameter	5.7± 0.3 mm

Category 6 S/FTP Patch Cord

LENGTH	GREY	GREEN	BLUE	RED	Yellow
0.5m	186410055	186410056	186410054	186410053	186410058
1 m	186410105	186410106	186410104	186410103	186410108
2m	186410205	186410206	186410204	186410203	186410208
3m	186410305	186410306	186410304	186410303	186410308
5m	186410505	186410506	186410504	186410503	186410508
7m	186410705	186410706	186410704	186410703	186410708
10m	186411005	186411006	186411004	186411003	186411008

Other lengths, colors or halogen free cables on request

CATEGORY 6 CABLING SOLUTIONS

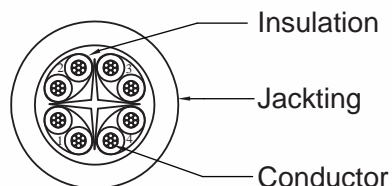
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Patch Cord

Category 6 U/UTP System Patch Cord

Premium Line Category 6 U/UTP System Patch Cord is designed for the high end project use. Compare to normal U/UTP patch cable, system patch cord exists a PE cross member, each pairs of whole cable retain the same stranding appearance and pitch as designed, even after transportation, cabling, wiring and management, this is the key factor to guarantee performances in various application.



Compliances:

- ANSI/TIA/EIA 568-C.2
- ISO/IEC 11801 2nd Edition
- CENELEC EN 50173-1
- CENELEC EN 50288
- 100% factory tested to component level performance as per TIA/EIA-568-C.2 specifications
- Flame retardance according to IEC 60332-1-2
- RJ45 contacts 50µ inch gold plated
- Molded snag proof boot
- RoHS compliant

Applications:

- Premises environment, option for equipment cord in cross-connect, ideal for 4 plug-in and above applications,
- 1000BASE-TX Gigabit Ethernet
 - 1000BASE-T Gigabit Ethernet
 - 100BASE-TX Fast Ethernet
 - 10BASE-T Ethernet
 - Voice, Video and other applications

Construction

Conductor	Material / size	Bare Copper / 24 AWG
	Construction	7/0.196 ± 0.01 mm
Insulation	Material	HDPE
Sheath	Material	PVC / LSOH
	Diameter	5.8± 0.3 mm

Category 6 U/UTP System Patch Cord

LENGTH	GREY	GREEN	BLUE	RED	YELLOW
0.5m	186610055	186610056	186610054	186610053	186610058
1m	186610105	186610106	186610104	186610103	186610108
2m	186610205	186610206	186610204	186610203	186610208
3m	186610305	186610306	186610304	186610303	186610308
5m	186610505	186610506	186610504	186610503	186610508
7m	186610705	186610706	186610704	186610703	186610708
10m	186611005	186611006	186611004	186611003	186611008

Other lengths, colors or halogen free cables on request

Patch Cord

Category 6 U/UTP Retail Patch Cord

Premium Line Category 6 U/UTP Retail patch cord supports the whole Category 6 channel transmission as per standard ANSI/TIA-568-C.2, ISO/IEC 11801 and EN 50173-1 Class E specifications.

Construction

Conductor	Material / size	Bare Copper / 24 AWG
	Construction	7/0.196 ± 0.01 mm
Insulation	Material	HDPE
Sheath	Material	PVC / LSOH
	Diameter	5.8± 0.3 mm



Category 6 U/UTP Retail Patch Cord

PART NO.	DESCRIPTION
1861xyyyz	Premium Line Category.6 U/UTP Retail Patch Cord, 24AWG

*X: 1 = PVC; 2 = LSOH "yyy", 005 = 0.5m; 010 = 1.0m; 020 = 2.0m; 030 = 3.0m; 050 = 5.0m; 070 = 7.0m; 100 = 10.0m
*Z: 3 = Red; 4 = Blue; 5 = Grey; 6 = Green; 8 = Yellow

Patch Cord

Category 6 U/UTP Flat Patch Cord

Construction

Conductor	Material / size	Bare Copper / 30 AWG
Insulation	Material	HDPE
Sheath	Material	PVC / LSOH
	Diameter	1.6x6.8 mm



* Short link application, link length not over 70m

Category 6 U/UTP Flat Patch Cord

PART NO.	DESCRIPTION
1865xyyyz	Premium Line Category.6 U/UTP Drop Flat Patch Cord, 30AWG

*X: 1 = PVC; 2 = LSOH "yyy", 005 = 0.5m; 010 = 1.0m; 020 = 2.0m; 030 = 3.0m; 050 = 5.0m; 070 = 7.0m; 100 = 10.0m
*Z: 3 = Red; 4 = Blue; 5 = Grey; 6 = Green; 8 = Yellow

Flexible Consolidation Point Cable

Category 6 U/UTP CP Cable

Flexible consolidation point cables are popular in horizontal cabling system, its featured characteristic – Easy and Fast Deployment – is realized by professional IT staff, and it's applied in many occasions and places, like ZDA to EDA in datacenter, open office easy and quick expanding nodes, extensions in horizontal cabling and etc.

Premium Line Category 6 Giga Ethernet CP cable is 100% factory Short Link 3 Connectors Permanent Link test verified and passed.

- Flexible Patch cable
- RJ45 plug to Keystone Jack
- Optional Keystone upon choice
- Factory Terminated and Tested
- Available length 5m, 10m, 15m, 20m
- Test service and results attached



Category 6 U/UTP CP Cable

Length	Grey	Blue
5m	71661050550	71661050450
7m	71661070550	71661070450
10m	71661100550	71661100450
20m	71661200550	71661200450

CATEGORY 6 CABLING SOLUTIONS