

Planet

Structure Cabling Systems



WELL EXPERIENCED

More than 13 years experience
in networking industry



PROFESSIONAL TEAM

We have professional sales team
to offer fast response and engineers
to support different solutions



ABUNDANT PRODUCTS

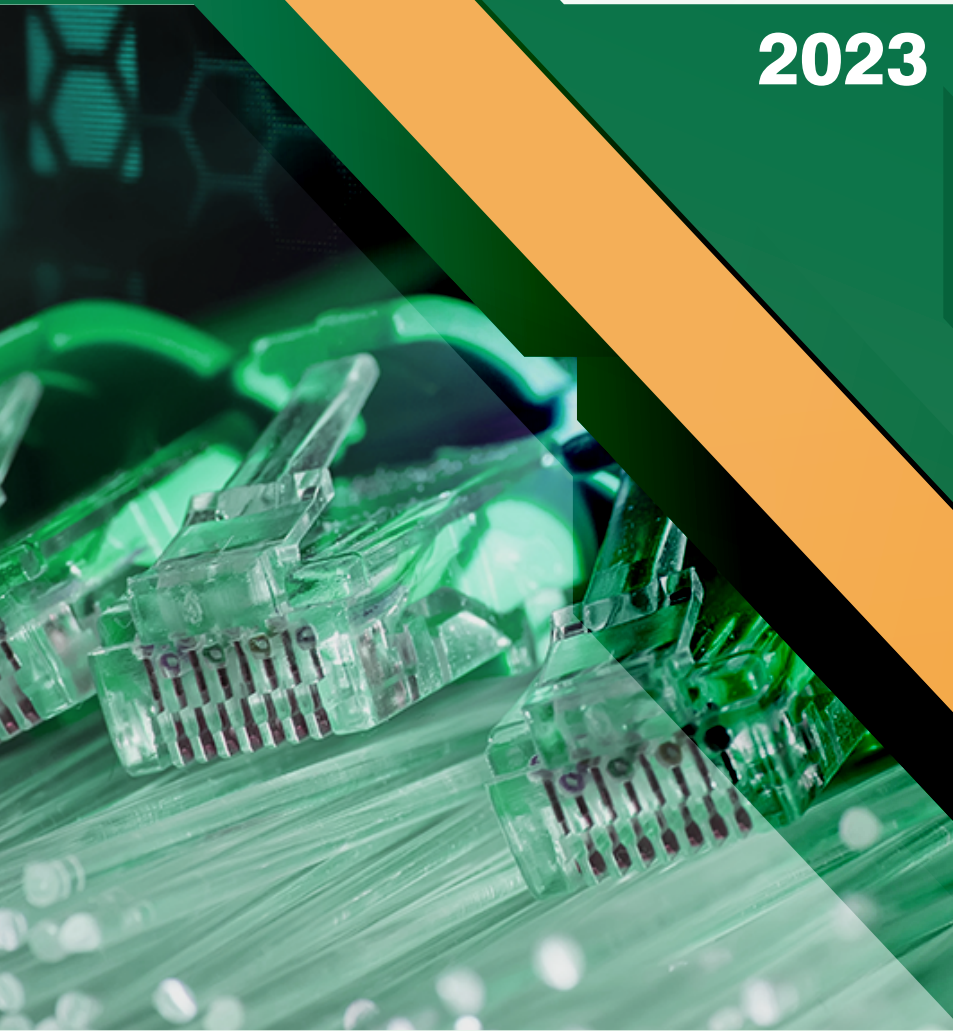
Integrated and completed
product lines
for networking and cabling items



STANDARDS COMPLIANCE

ANSI/EIA RS-310-D, IEC2-297,
DIN41494/41491,
GB/T92-3047.2 Metric & ETSI
standard

2023 - 2024





Planet structure Cabling Systems Inc. is a global provider company located in Canada, Montreal specialized for reliable networking products. We committed to provide first-class solutions for structured Copper cabling systems, fiber-optic solutions, as well as the network cabinet to a wide range of telecommunication service.

The Manufacture was launched to the market in year 2008 ensuring the latest innovation and standards compliance, reliability and product availability focusing on system performance with a 25 years product warranty.

Planet has the complete product portfolio, including patch cords, patch panels, outlets, keystones and workstation components for Category 5e, Category 6, Category 6A Category 7, Category 8, fiber optic based structured cabling systems and Data Center Solution.

Moreover, All Planet products and systems are certified with complete network solutions that are efficient, cost-effective cutting-edge and use high-tech with ISO9001, CE, RoHs and many quality Certificates.

Moreover, All Planet products and systems are certified with complete network solutions that are efficient, cost-effective cutting-edge and use high-tech with ISO9001, CE, RoHs and many quality Certificates.

Planet is expanding today to exceed the demands of tomorrow that is why we enjoyed formidable growth by having a regional office in Dubai in the United Arab Emirates to present all Planet products in MENA.



www.planet-ca.com

Your Professional Partner for Structured Cabling Systems

Integrated Strength of Manufacture & System Integration

Planet has over 15-year experience in developing and manufacturing of data cabling products. With our excellent knowhow about the network market, the high-speed data communication applications and the latest technology we make sure that our customer get the best support to obtain customized solutions. With this strength, also the complete product range for data communication cabling use, these keeping us in the leading edge over worldwide market. Till today our engaged and certified team has successfully completed hundreds of complex network projects all over the world.

Quality & Service

Planet has dedicated teams responsible for internal quality monitoring and systemic product upgrading,

customer satisfaction, as well as technical support and service maintenance.

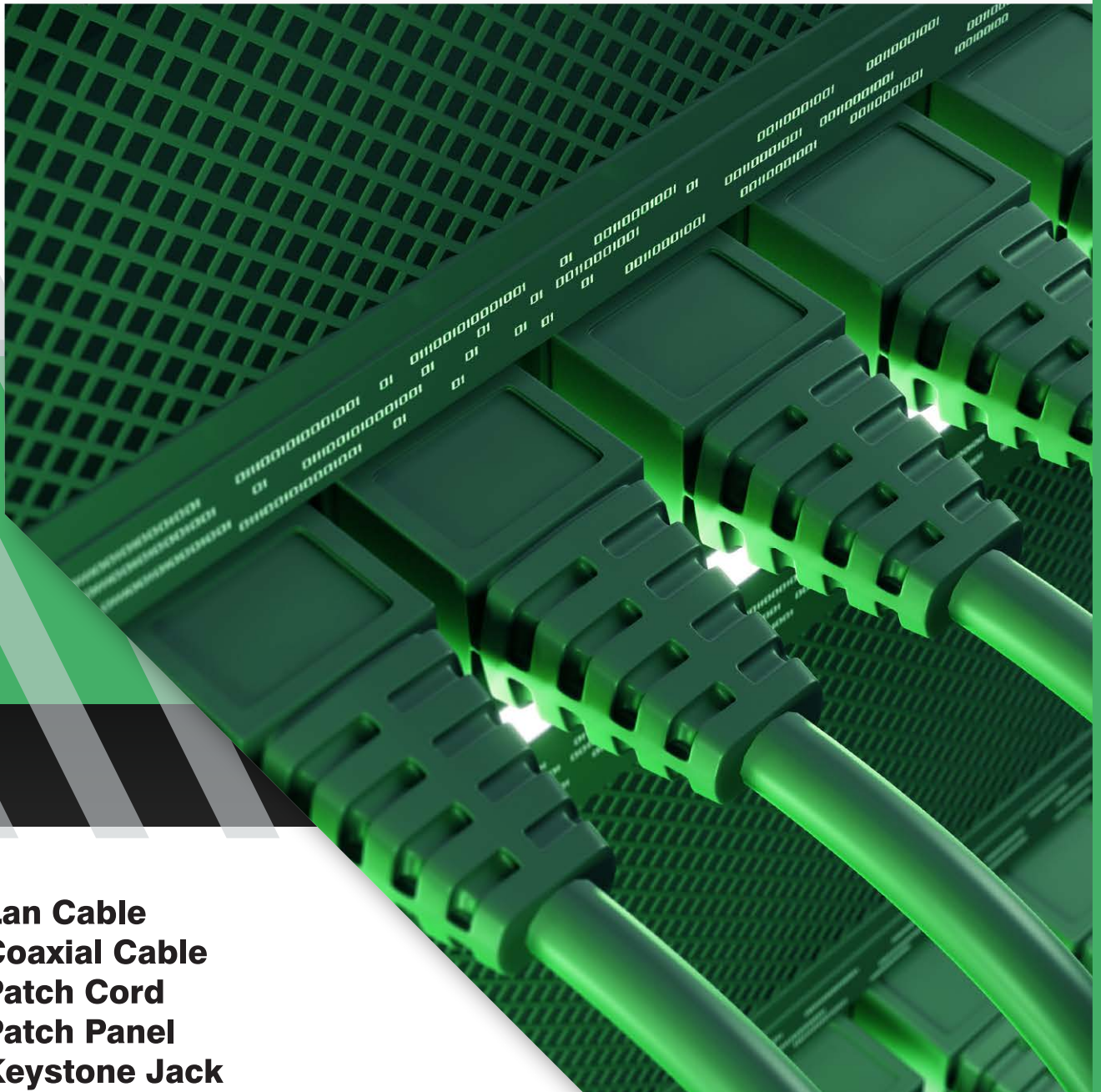
All products are verified upon receipt of raw materials and are constantly monitored until the production process is finished. Based on the latest international standards, our team of experts and future oriented technology, we are able to build up a complete quality and service policy and that is why we can keep our promise of the best possible performance.

25 years System Warranty Policy

All copper and fibre optic cable systems supplied by Planet and installed and tested by a Planet authorized installer in accordance with the Planet Structure Cabling Systems Installation Manual, can be covered with a 25-year warranty. Planet has a complete channel program, including distributor authorization, installer trainings, warranty extension, marketing & technical service, global strategy and information exchange. This combines our strengths and helps us to achieve our global sales goals as well as the prosperity of our partners in the cabling business.



Copper Systems



- Lan Cable
- Coaxial Cable
- Patch Cord
- Patch Panel
- Keystone Jack
- Faceplate
- Modular Connector

Part Number: PVC: PL-CA6UTP LSZH: PL-CA6UTL

FEATURES:

comply with all category 6 requirements as:

- ISO/IEC 11801 ED.2.2:2011
- ANSI/TIA 568-C.2:2011
- CENELEC EN 50173-1:2011
- CENELEC EN 50288-6-1:2013
- IEC61156-5:2012(Edition 2.0)
- Characterized and tested to 350MHz

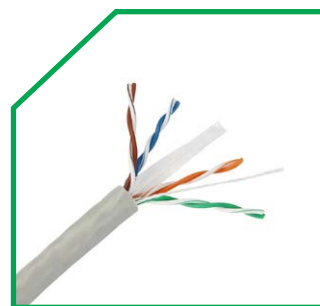
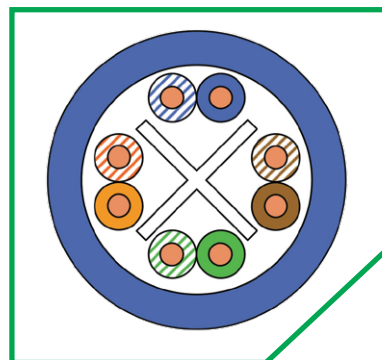
APPLICATIONS:

- 1000BASE-TX
- 1000BASE-T
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

CONFIGURATION:

Conductor	Material	Bare Copper	
	Construction	23 AWG 0.565 mm $\pm$ 0.02	
Insulation	Material	HDPE	
	Diameter	1.00 $\pm$ 0.1 mm	
Cross Member	Material	PE	
Sheath	Material	PVC	LSZH
	Thickness	0.5mm nominal	
	Diameter	6.2 $\pm$ 0.3 mm	

DRAWING:



Technical Performance (100M)

Frequency MHz	Attenuation Max dB/100m	NEXT Min. dB/100m	PSNEXT Min. dB/100m	ELFEXT Min. db/100m	RL Min. dB	PHASE VELOCITY MIN(M/S)	PHASE DELAY MAX(ns/100m)
1	1.9	74	72	68	20	0.585c	570
4	3.7	65	63	56	23	---	552
10	5.9	59	57	48	25	0.611c	545
16	7.5	56	54	44	25	---	543
20	8.4	55	53	42	25	---	542
31.25	10.6	52	50	38	23.6	---	540
62.5	15.4	47	45	32	21.5	---	539
100	19.8	44	42	28	20.1	0.620c	538
200	29	40	38	22	18		537
250	32.8	38	36	20	17.3	0.622c	536

Part Number: PCV: PL-CA6AUTP / **LSZH:** PL-CA6AUTL

FEATURES:

comply with all category 6A requirements as:

- ISO/IEC 11801 ED.2.2:2011
- ANSI/TIA 568-C.2:2011
- CENELEC EN 50173-1:2011
- CENELEC EN 50288-6-1:2013
- IEC61156-5:2012(Edition 2.0)
- Characterized and tested to 350MHz

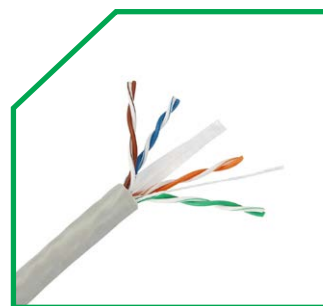
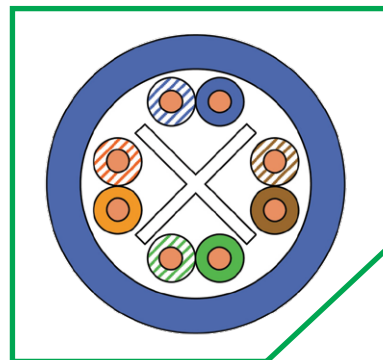
APPLICATIONS:

- 10GBASE-T Ethernet
- 1000BASE-TX
- 1000BASE-T
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

CONFIGURATION:

Conductor	Material	Bare Copper	
	Construction	23 AWG 0.565 mm $\pm$ 0.02	
Insulation	Material	HDPE	
	Diameter	1.00 $\pm$ 0.1 mm	
Cross Member	Material	PE	
Sheath	Material	PVC	LSZH
	Thickness	0.5mm nominal	
	Diameter	7.5 $\pm$ 0.3 mm	

DRAWING:



Technical Performance (100M)

Frequency	ATT(20°C)	RL	NEXT	PSNEXT	ACR-F	PS ACR-F	PS ANEXT	PS AACR-F
(MHz)	$\leq$ dB	$\geq$ dB	$\geq$ dB	$\geq$ dB	$\geq$ dB	$\geq$ dB	$\geq$ dB	$\geq$ dB
1	2.1	20	74.3	72.3	67.8	64.8	67	67
4	3.8	23	65.3	63.3	55.8	52.8	67	66.2
10	5.9	25	59.3	57.3	47.8	44.8	67	58.2
16	7.5	25	56.2	54.2	43.7	40.7	67	54.1
20	8.4	25	54.8	52.8	41.8	38.8	67	52.2
31.25	10.5	23.6	51.9	49.9	37.9	34.9	67	48.3
62.5	15	21.5	47.7	45.4	31.9	28.9	65.6	42.3
100	19.1	20.1	44.3	42.3	27.8	24.8	62.5	38.2
200	27.6	18	39.8	37.8	21.8	18.8	58	32.2
250	31.1	17.3	38.3	36.3	19.8	16.8	56.5	30.2
300	34.3	16.8	37.1	35.1	18.3	15.3	55.3	28.7
500	45.3	15.2	33.8	31.8	13.8	10.8	52	24.2
550	51.2	14.5	35.1	29.5	10.8	9.6	48	20.2

Part Number: PVC: PL-CA6FTP LSZH: PL-CA6FTL

FEATURES:

comply with all category 6 requirements as:

- ISO/IEC 11801 ED.2.2:2011
- ANSI/TIA 568-C.2:2011
- CENELEC EN 50173-1:2011
- CENELEC EN 50288-6-1:2013
- IEC61156-5:2012(Edition 2.0)
- Characterized and tested to 350MHz

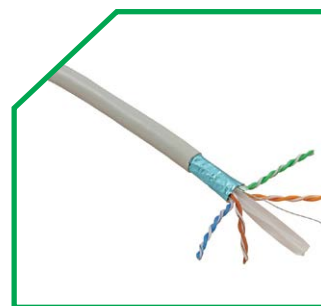
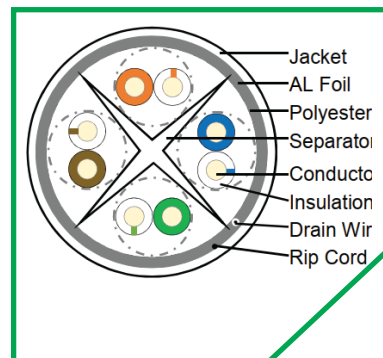
APPLICATIONS:

- 1000BASE-TX
- 1000BASE-T
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

CONFIGURATION:

Conductor	Material	Bare Copper	
	Construction	23 AWG 0.565mm ± 0.02	
Insulation	Material	HDPE	
	Diameter	1.00 ± 0.1 mm	
Cross Member	Material	PE	
Sheath	Material	PVC	LSZH
	Thickness	0.5mm nominal	
	Diameter	6.7 ± 0.3 mm	

DRAWING:



Technical Performance (100M)

Frequency MHz	Attenuation Max dB/100m	NEXT Min. dB/100m	PSNEXT Min. dB/100m	ELFEXT Min. db/100m	RL Min. dB	PHASE VELOCITY MIN(M/S)	PHASE DELAY MAX(ns/100m)
1	1.9	74	72	68	20	0.585c	570
4	3.7	65	63	56	23	---	552
10	5.9	59	57	48	25	0.611c	545
16	7.5	56	54	44	25	---	543
20	8.4	55	53	42	25	---	542
31.25	10.6	52	50	38	23.6	---	540
62.5	15.4	47	45	32	21.5	---	539
100	19.8	44	42	28	20.1	0.620c	538
200	29	40	38	22	18		537
250	32.8	38	36	20	17.3	0.622c	536

Part Number: PVC: PL-CA6AFTP LSZH: PL-CA6AFTL

FEATURES:

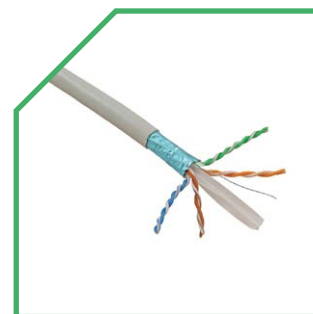
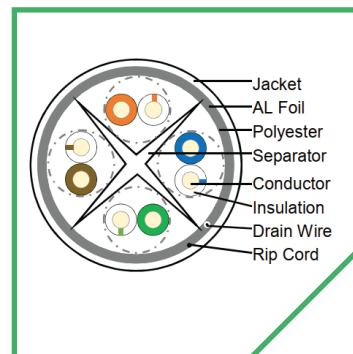
comply with all category 6A requirements as:

- ISO/IEC 11801 ED.2.2:2011
- ANSI/TIA 568-C.2:2011
- CENELEC EN 50173-1:2011
- CENELEC EN 50288-6-1:2013
- IEC61156-5:2012(Edition 2.0)
- Characterized and tested to 350MHz

APPLICATIONS:

- 10GBASE-T Ethernet
- 1000BASE-TX
- 1000BASE-T
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

DRAWING:



CONFIGURATION:

Conductor	Material	Bare Copper	
	Construction	23 AWG 0.565 mm $\pm$ 0.02	
Insulation	Material	HDPE	
	Diameter	1.00 $\pm$ 0.1 mm	
Cross Member	Material	PE	
Sheath	Material	PVC	LSZH
	Thickness	0.5mm nominal	
	Diameter	6.9 $\pm$ 0.3 mm	

Technical Performance (100M)

Frequency	ATT(20°C)	RL	NEXT	PSNEXT	ACR-F	PS ACR-F	PS ANEXT	PS AACR-F
(MHz)	$\leq$ dB	$\geq$ dB	$\geq$ dB	$\geq$ dB	$\geq$ dB	$\geq$ dB	$\geq$ dB	$\geq$ dB
1	2.1	20	74.3	72.3	67.8	64.8	67	67
4	3.8	23	65.3	63.3	55.8	52.8	67	66.2
10	5.9	25	59.3	57.3	47.8	44.8	67	58.2
16	7.5	25	56.2	54.2	43.7	40.7	67	54.1
20	8.4	25	54.8	52.8	41.8	38.8	67	52.2
31.25	10.5	23.6	51.9	49.9	37.9	34.9	67	48.3
62.5	15	21.5	47.7	45.4	31.9	28.9	65.6	42.3
100	19.1	20.1	44.3	42.3	27.8	24.8	62.5	38.2
200	27.6	18	39.8	37.8	21.8	18.8	58	32.2
250	31.1	17.3	38.3	36.3	19.8	16.8	56.5	30.2
300	34.3	16.8	37.1	35.1	18.3	15.3	55.3	28.7
500	45.3	15.2	33.8	31.8	13.8	10.8	52	24.2
550	51.2	14.5	35.1	29.5	10.8	9.6	48	20.2

Part Number: PVC: PL-CA6STP LSZH: PL-CA6STL

FEATURES:

comply with all category 6 requirements as:

- ISO/IEC 11801 ED.2.2:2011
- ANSI/TIA 568-C.2:2011
- CENELEC EN 50173-1:2011
- CENELEC EN 50288-6-1:2013
- IEC61156-5:2012(Edition 2.0)
- Characterized and tested to 350MHz

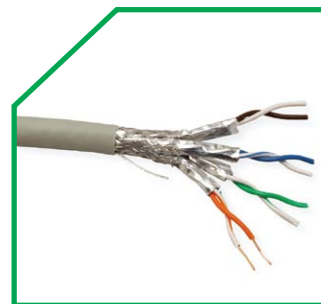
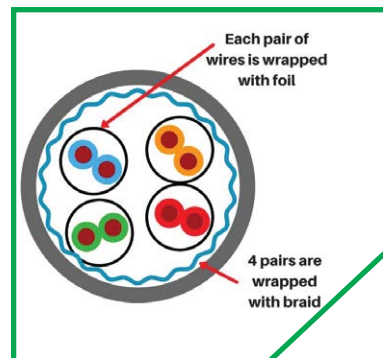
APPLICATIONS:

- 1000BASE-TX
- 1000BASE-T
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

CONFIGURATION:

Conductor	Material	Bare Copper	
	Construction	23 AWG 0.565mm ± 0.02	
Insulation	Material	HDPE	
	Diameter	1.00 ± 0.1 mm	
Cross Member	Material	PE	
Sheath	Material	PVC	LSZH
	Thickness	0.5mm nominal	
	Diameter	7.2 ± 0.3 mm	

DRAWING:



Technical Performance (100M)

Frequency MHz	Attenuation Max dB/100m	NEXT Min. dB/100m	PSNEXT Min. dB/100m	ELFEXT Min. db/100m	RL Min. dB	PHASE VELOCITY MIN(M/S)	PHASE DELAY MAX(ns/100m)
1	1.9	74	72	68	20	0.585c	570
4	3.7	65	63	56	23	---	552
10	5.9	59	57	48	25	0.611c	545
16	7.5	56	54	44	25	---	543
20	8.4	55	53	42	25	---	542
31.25	10.6	52	50	38	23.6	---	540
62.5	15.4	47	45	32	21.5	---	539
100	19.8	44	42	28	20.1	0.620c	538
200	29	40	38	22	18		537
250	32.8	38	36	20	17.3	0.622c	536

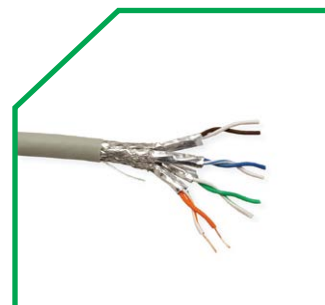
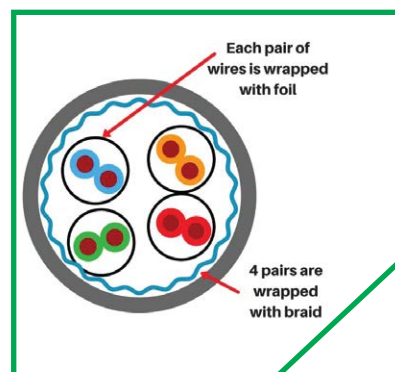
Part Number: PVC: PL-CA6ASTP / **LSZH:** PL-CA6ASTL

FEATURES:

comply with all category 6A requirements as:

- ISO/IEC 11801 ED.2.2:2011
- ANSI/TIA 568-C.2:2011
- CENELEC EN 50173-1:2011
- CENELEC EN 50288-6-1:2013
- IEC61156-5:2012(Edition 2.0)
- Characterized and tested to 350MHz

DRAWING:



APPLICATIONS:

- 10GBASE-T Ethernet
- 1000BASE-TX
- 1000BASE-T
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

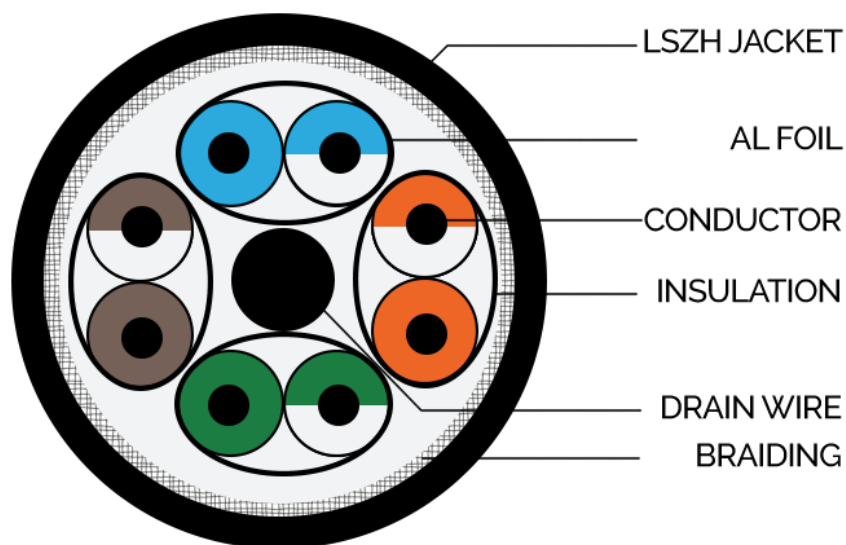
CONFIGURATION:

Category	SFTP CAT6A			Jacket Physical Properties	Before Aging Tensile Strength(Mpa)≥13.5
Test Standard	ISO/IEC 11801,TIA/EIA 568C.2				Elongation(%)≥150
Conductor	Material	Solid Bare Copper			Aging Period(°C*hrs) 100°C*24h*7d
	Nom.O.D.	0.57±0.003mm			After Aging Tensile Strength(MPa) ≥12.5
Insulation	Material	Skin-foam-Skin PE			Elongation(%) ≥125
	Nom.O.D.	1.42±0.05mm		Coldbend(-20±2°C*4h) No visible cracks	
Shield	Al Foil+Braiding			Electrical Characteristics (20°C)	Impedance(Ω) 100±15
Jacket	Thickness	0.65±0.05mm			Delay Shew(ns/100m) ≤45
	External O.D.	7.6±0.3mm			NVP 69%
	Material	PVC or PE or LSZH			Capacitance(nf/100m) ≤5.6
	Color	According to Requires			DC Resistance(Ω/100m) ≤9.5
Rip-cord	Yes	Drain Wire	0.40TC		DC Resistance Unbalance(%) ≤2.0

Part Number: PVC: PL-CA6ASTP / LSZH: PL-CA6ASTL

Technical Performance (100M)

Frequency (MHZ)	(ohm)	RL(dB)	ATTN (dB/100m)	NEXT (dB)	PSNEXT (dB/100m)	ELFEXT (dB/100m)	SELFEXT (dB/100m)	Transmit Speed
0.772		19.4	1.8	76	74	70	67	
1		20.0	2.0	74.3	72.3	61.8	64.8	
4		23.0	3.8	65.3	63.3	55.8	52.8	
8		24.5	5.3	60.8	58.8	49.7	46.7	
10		25.0	6	59.3	57.3	47.8	44.8	
16		25.0	7.6	56.2	54.2	43.7	40.7	
20	100±10Ω	25.0	8.5	54.8	52.8	41.8	38.8	0.65C
25		24.3	9.5	53.3	51.3	39.8	36.8	
31.25		23.6	10.7	51.9	49.9	37.9	34.9	
62.5		21.5	15.4	47.4	45.4	31.9	28.9	
100		20.1	19.8	44.3	42.3	37.8	24.8	
200		18.0	29	39.8	37.8	21.8	18.8	
250		17.3	32.8	38.3	36.3	19.8	16.8	



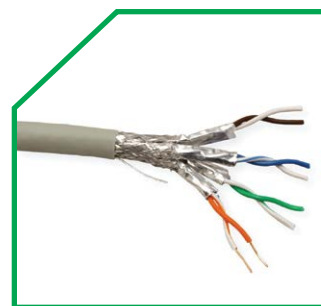
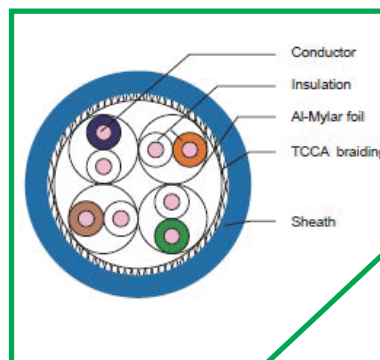
Part Number: PVC: PL-CA7STP LSZH: PL-CA7STL

FEATURES:

comply with all category 7 requirements as:

- ISO/IEC 11801 ED.2.2:2011
- ANSI/TIA 568-C.2:2011
- CENELEC EN 50173-1:2011
- CENELEC EN 50288-6-1:2013
- IEC61156-5:2012(Edition 2.0)
- Characterized and tested to 350MHz

DRAWING:



APPLICATIONS:

- 10GBASE-T Ethernet
- 1000BASE-TX
- 1000BASE-T
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

CONFIGURATION:

Category	SFTP CAT.7			Jacket Physical Properties	Before Aging Tensile Strength(Mpa)≥13.5
Test Standard	ISO/IEC 11801,TIA/EIA 568B.2 IEC61156-5				Elongation(%)≥150
Conductor	Material	Solid Bare Copper			Aging Period(°C*hrs) 100°C*24h*7d
	Nom.O.D.	0.585±0.003mm			After Aging Tensile Strength(MPa) ≥12.5
Insulation	Material	Skin-foam-Skin PE			Elongatio n(%) ≥125
	Nom.O.D.	1.40±0.05mm		Cold bend(-20±2°C*4h) No visible cracks	
Shield	Al Foil 100%	Braid 30%	Tinned copper braid or Al brai	Electrical Characteristics (20°C)	Impedance(Ω) 100±15
Jacket	Thickness	0.65±0.05mm			Delay Shew(ns/100m) ≤45
	External O.D.	7.4±0.2mm			NVP 69%
	Material	LSZH			Capacitance(nf/100m) ≤5.6
	Color	According to Requires			DC Resistance(Ω/100m) ≤9.5
Rip-cord	Yes	Drain Wire	Tinned copper	DC Resistance Unbalance(%) ≤2.0	
Packing	305meters or 500m/Wooden Reel/Carton				

Part Number: PVC: PL-CA7STP LSZH: PL-CA7STL

Technical Performance (100M)

Frequency (MHZ)	(ohm)	RL(dB)	ATTN (dB/100m)	NEXT (dB)	PSNEXT (dB/100m)	ELFEXT (dB/100m)	SELFEXT (dB/100m)	Transmit Speed
0.772		19.4	1.8	76	74	70	67	
1		20.0	2.0	74.3	72.3	61.8	64.8	
4		23.0	3.8	65.3	63.3	55.8	52.8	
8		24.5	5.3	60.8	58.8	49.7	46.7	
10		25.0	6	59.3	57.3	47.8	44.8	
16		25.0	7.6	56.2	54.2	43.7	40.7	
20	100±10Ω	25.0	8.5	54.8	52.8	41.8	38.8	0.65C
25		24.3	9.5	53.3	51.3	39.8	36.8	
31.25		23.6	10.7	51.9	49.9	37.9	34.9	
62.5		21.5	15.4	47.4	45.4	31.9	28.9	
100		20.1	19.8	44.3	42.3	37.8	24.8	
200		18.0	29	39.8	37.8	21.8	18.8	
250		17.3	32.8	38.3	36.3	19.8	16.8	



Part Number: PL-RG5WPxx

Index by Part Number:

DRAWING:



Part Number	Description
PL-RG5WP3	BC Conductor + BC Power Cord
PL-RG5WP3BA	BC Conductor + CCA Power Cord
PL-RG5WP3SB	CCS Conductor + BC Power Cord
PL-RG5WP3SA	CCS Conductor + CCA Power Cord

Technical Characters:

Center Material	BC or CCS
Center Conductor	0.8mm
Dielectric	3.8mm solid PE or Foam PE
Shield	Al Foil
Braid Coverage	Aluminum 0.12*80±0.05
Jacket	6.10+0.10mm PVC
Power wire	0.5mm or 0.75mm or 1mm
Power Insulation	2.0mm PE insulation
Power Jacket	5.0mm PVC
Spark Test	4000VAC
Impedance	75 Ohm
Capacitance	52+/-3pF/m
Velocity of Propagation	85%
Return Loss	20dB min (5-2300MHz)
Attenuation	[@68° F. (20° C.)]

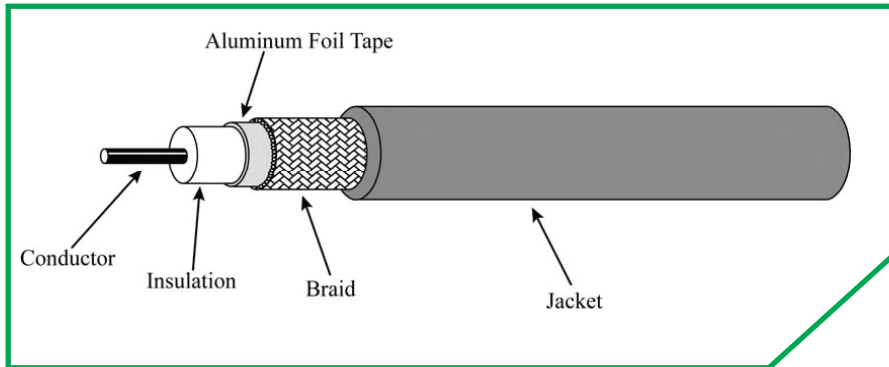
Part Number: PL-RG5WPxx

Frequency (MHz)	Maximum (dB/100 ft.)	Maximum (dB/100 m)
5	0.58	1.9
50	1.5	4.9
100	2	6.5
200	2.8	9.2
400	4.1	13.6
700	5.6	18.4
900	6.2	20.3
1000	6.5	21.4
1450	8	26.2
1800	8.5	27.9
2100	9.5	31.1
2250	10	34
3000	11.4	37.5



Part Number: PL-RG6OPxx

DRAWING:



Index by Part Number:

Part Number	Description
PL-RG6OP3	BC Conductor
PL-RG6OP3S	CCS Conductor

Technical Characters:

CONDUCTOR:	
Number of Coax	1
Material / Size	18AWG / CCS or Bare Copper
Nominal Conductor Diameter	1.02 mm
INSULATION:	
Material	Foam Polyethylene(Foam PE)
Nominal Diameter	3.75 mm
OUTER SHIELD:	
Foil	Aluminum Foil Tape
Braiding	Aluminum / 96*0.12mm
OUTER JACKET:	
Material	Polyvinyl Chloride(PVC)
Overall Nominal Diameter	6.50 mm

Part Number: PL-RG6OPxx

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +70°C
Max. Recommended Pulling Tension	104 lbs.
Min. Bend Radius (Install)	63.5 mm

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance		75 +/-3 Ohms
Nom. Inductance		0.32 µH/m
Nom. Capacitance Conductor to Shield		53.1 pF/m
Nominal Velocity of Propagation		83 %
Nominal Delay		3.94 ns/m
Nom. Conductor DC Resistance @ 20 °C		44.5 Ohms/305 m
Nominal Outer Shield DC Resistance		12 Ohms/305 m
Typical Structural Return Loss(5-1000 MHz) :		20 dB
Max. Attenuation	Frequency (MHz)	Max. Attenuation (dB/30 m)
	5	0.89
	55	1.95
	211	3.59
	270	4.05
	300	4.27
	350	4.64
	400	4.88
	450	5.30
	550	5.90
	750	6.96
	870	7.54
	1000	8.09

Part Number: PL-RG6WPxx

DRAWING:



Index by Part Number:

Part Number	Description
PL-RG6WP3	BC Conductor + BC Power Cord
PL-RG6WP3BA	BC Conductor + CCA Power Cord
PL-RG6WP3SB	CCS Conductor + BC Power Cord
PL-RG6WP3SA	CCS Conductor + CCA Power Cord

Technical Characters:

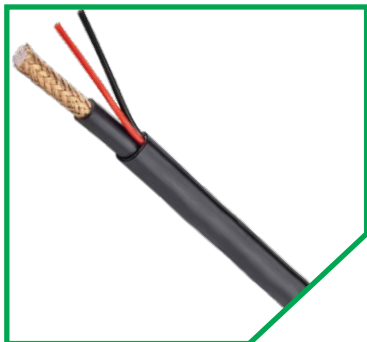
inner conductor	material	BC or CCS
	diameter	1.02mm (+/- 0.02 mm)
isolation (dielectricum)	material, colour	foamed PE
	diameter	4.57 mm ($\pm$ 0,1 mm)
	a)shielding	Bonded AL foil
	b)braiding	64x0.15mm AL
Coverage of braiding	filling (%)	90%
outer insulation (jacket)	material	PVC
	diameter	7mm
RG6 with power	Power diameter	0.5mm 0.75mm
Mechanical data:		
min. bending radius	mm	min. 75 mm
temperature range	installation	-5°C to +40°C
Temperatur	operating	-20°C to +50 °C
	storage	-20°C to +50°C

Part Number: PL-RG6WPxx

Electrical Data:		
characteristic impedance	ohms	75 ohms (± 3 ohms)
reduction factor	v/c (%)	82%
capacitance	pF/m oder nF/km	53 nF/km (± 1)
attenuation	< 50 MHz	---
(in dB/100m at 20°C)	50 MHz	4.3 dB
	100 MHz	6.1 dB
	470 MHz	13 dB
	860 MHz	18.5dB
	950 MHz	21 dB
	1750 MHz	27 dB
	2150 MHz	31 dB
	2400 MHz	---
screening factor	30 – 100 MHz	>100 dB
	100 – 1000 MHz	>100 dB
	–1000 2400 MHz	>90 dB
return loss	5 – 65 MHz	22 dB
	65 – 470 MHz	22 dB
	470 – 862 MHz	20 dB
	862 – 2400 MHz	20 dB
transfer impedance	5 MHz	≤ 5 mohm / m @ 5 MHz
	30 MHz	
direct current resistance	ohms / km	inner conductor: 21 ohms/km
		outer conductor: 30 ohms/km

Part Number: PL-RGD6WPxx

DRAWING:



Index by Part Number:

Part Number	Description
PL-RGD6WP3	BC Conductor + BC Power Cord
PL-RGD6WP3BA	BC Conductor + CCA Power Cord
PL-RGD6WP3SB	CCS Conductor + BC Power Cord
PL-RGD6WP3SA	CCS Conductor + CCA Power Cord

Technical Characters:

CENTER CONDUCTOR:	Bare Copper	1.02±0.01
DIELECTRIC:	Foamed Polyethylene	4.57±0.05
SHIELD:	Bonded Aluminum Foil	100% Coverage
BRAID:	Aluminum Braid	0.12*80±0.05
INNER JACKET:	RAL7035	6.8±0.05
POWER CABLE:	Copper	16*0.18mm pure copper Power red and black
POWER CABLE Jacket diameter	Black PE and Red PE	1.8mm
Outer Jacket Thickness	RAL7035	0.7mm
OUT JACKET	RAL7035	11±0.05

Part Number: PL-RGD6WPxx

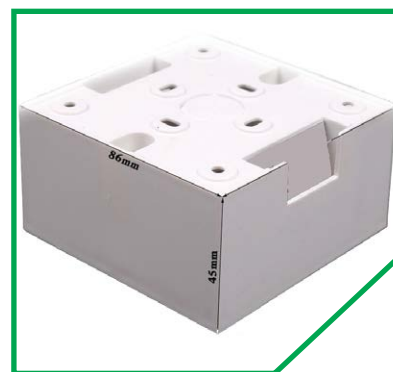
ELECTRICAL PROPERTIES		
NOMINAL IMPEDANCE:	75 Ohm $\pm$ 3 Ohm	
NOMINAL VELOCITY OF PROPAGATIO	85%	
NOMINAL CAPACITANCE	52pF/m $\pm$ 2 pF/m	
SRL	>20dB (5~1Ghz 100% Swept Tested)	
COMPLIANTS	CE RoHS ISO9001	
ATTENUATION	At 68°F / 20°C	
Frequency (MHz)	Maximum (dB/100ft)	Maximum (dB/100m)
5	0.86	2.84
55	2.05	6.77
83	2.45	8.09
187	3.60	11.88
211	3.80	12.54
250	4.10	13.53
300	4.45	14.69
350	4.80	15.84
400	5.10	16.83
450	5.40	17.82
500	5.70	18.81
550	5.95	19.64
600	6.20	20.46
750	6.97	23.00
865	7.52	24.82
1000	8.12	26.80
MACHANICAL PROPETIES		
WORKING TEMPERATURE	-40°C ~ 75°C	
MINIMUM BENDING RADLUS	15 Times of OD (Loaded), 10 Times of OD(Unloaded)	

Part Number: PL-BB86

Product Description:

Back Box, 86*86*45mm

DRAWING:



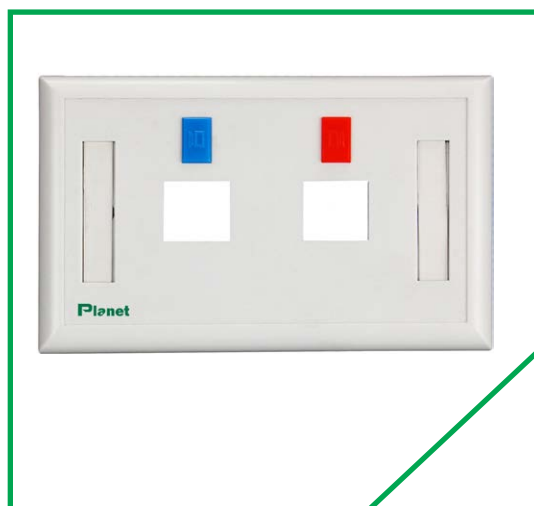
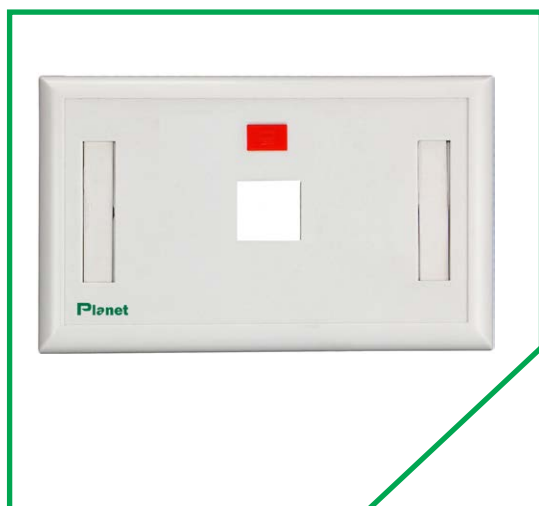
Technical Specifications:

Material	ABS 94V-0
The plate size	86*86mm
Operating Temperature	-10°C to +60°C
Face Plate Type	All 86mm types
Colour	White

Part Number: 1 Port :PL-FP1U9 / 2 Port : PL-FP2U9

Product Description:

Faceplate 90D USA Type 70×115mm



Technical Specifications

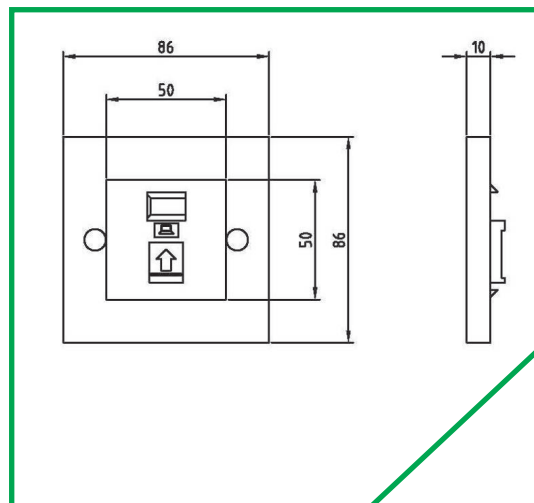
Material	ABS94 V-0
Thepla tesiz e	70*115mm
OperatingTemperature	-10°Cto+60°C
FacePlate Type	90D Euro style
Plug/JackCompatibility	RJ11, RJ45
ULFlammability	UL-94V0

Part Number: 1 Port :PL-FP1P4 / 2 Port : PL-FP2P4

Product Description:

Faceplate Euro 86*86mm 45D(1-port, 2-port)

DRAWING:



Technical Specifications

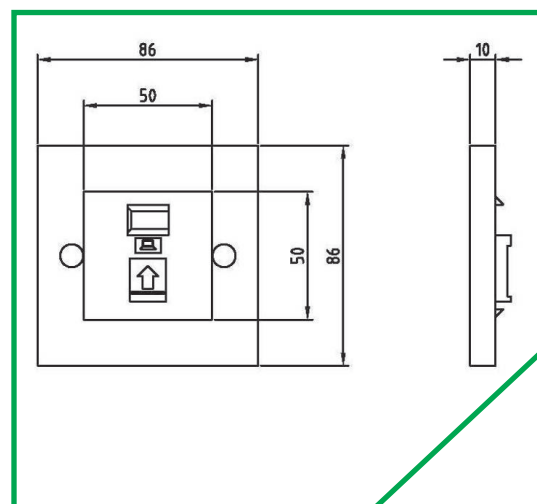
Material	AB S94 V-0
Thepla tesiz e	86*86 mm
OperatingTemperature	-10°Cto+60°C
FacePlate Type	45D Euro style
Plug/JackCompatibility	RJ11, RJ45
ULFlammability	UL-94V0

Part Number: 1 Port :PL-FP1P9 / 2 Port : PL-FP2P9

Product Description:

Faceplate 86*86mm 90D(1-port, 2-port)

DRAWING:



Technical Specifications

Material	ABS 94V-0
Thepla tesiz e	86*86mm
OperatingTemperature	-10°C to +60°C
FacePlate Type	90D Euro style
Plug/JackCompatibility	RJ11 , RJ45
ULFlammability	UL-94V0

Part Number: PL-KE3UJ

FEATURES:

Cat.3 UTP Keystone Jack

- Performance conforms to ANSI/TIA 568.2-D, ISO/IEC 11801-1, EN 50173-1 Class Ea specification
- Enhanced circuit board design and improved RJ45 contacts provide superior performance
- Compact design ideal for high density applications: up to 24 keystone jacks can fit into 1U 24 port unloaded patch panel
- Dual IDC connector can accept 22-26 AWG solid cables
- Terminate with 110 or krone tools
- ETL Verified
- RoHS compliant

DRAWING:



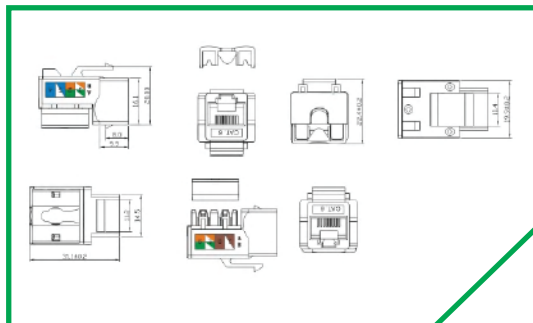
CHARACTERISTICS:

Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	10MΩ Min.
Contact Resistance	2mΩ per contact
Temperature Range	-10° to 60
Humidity	10%~90%; non condensing
Material Flame Rating	PC, UL94 V-0
Admissible Conductor	22AWG ~ 26AWG insulation wire
4pin contact PCB Jack	Phosphor bronze, 50μ inch gold plated over nickel plated in contact area
	Operating lifeMinimum 750 insertions
IDC Contacts	100μ inch nickel plated over phosphor bronze
	Operating lifeMinimum 250 Re-terminations

APPLICATIONS:

- 1000BASE-TX
- 1000BASE-T
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

Part Number: PL-KE6UPW



FEATURES:

Cat.6 UTP Keystone Jack

- Conform to TIA/EIA-568.2-D, ISO/IEC 11801-1 and EN50173-1 category 6 specification
- Supports T568 A&B wiring
- Termination lid ensures excellent strain relief, cable bend radius control and secure fixing
- Accepts 22-24 AWG solid cables
- IDC contacts: high performance copper alloy with 50μ inch gold plating over nickel in contact area
- Housing material: high impact UL 94V-0 ABS
- Insertion life: 750 plug insertions minimum
- RoHS compliant

APPLICATIONS:

- 1000BASE-TX
- 1000BASE-T
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

CHARACTERISTICS:

RJ45 Housing	PC
IDC House	PC
RJ45 Contact material & finished	Phosphor Bronze with 50-60" Nickel plated
	Contact area: Min. 3mm 3" Gold plated
IDC Terminal material & finished	Phosphor Bronze with 50" Tin-Lead plated. over 50-60 " Nickel plated
	110 tool compatible
	Use for 23-24AWG stranded and solid wire
Property	The IDC color combine
Insertion Force	900 grams for 8 contacts
Retention Strength	7.7 kgs between jack and plug
Operation Temperature	-30° C to 70° C
Jack Durability	Jack: 750 cycles Plug-Jack mating and unmating test. Insertion cycles at 20 cycles/minute max. Contact resistance test per 100 cycles
IDC Durability	Max. 200 pinching times
Standards compliant	Performance is in compliance with the TIA/EIA-568-C2

Part Number: PL-KE6UPD



FEATURES:

Cat.6 UTP Keystone Jack

- Conform to TIA/EIA-568.2-D, ISO/IEC 11801-1 and EN50173-1 category 6 specification
- Supports T568 A&B wiring
- Termination lid ensures excellent strain relief, cable bend radius control and secure fixing
- Accepts 22-24 AWG solid cables
- IDC contacts: high performance copper alloy with 50μ inch gold plating over nickel in contact area
- Housing material: high impact UL 94V-0 ABS
- Insertion life: 750 plug insertions minimum
- RoHS compliant

APPLICATIONS:

- 1000BASE-TX
- 1000BASE-T
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

CHARACTERISTICS:

RJ45 Housing	PC
IDC House	PC
RJ45 Contact material & finished	Phosphor Bronze with 50-60" Nickel plated
	Contact area: Min. 3mm 3" Gold plated
IDC Terminal material & finished	Phosphor Bronze with 50" Tin-Lead plated. over 50-60 " Nickel plated
	110 tool compatible
	Use for 23-24AWG stranded and solid wire
Property	The IDC color combine
Insertion Force	900 grams for 8 contacts
Retention Strength	7.7 kgs between jack and plug
Operation Temperature	-30° C to 70° C
Jack Durability	Jack: 750 cycles Plug-Jack mating and unmating test. Insertion cycles at 20 cycles/minute max. Contact resistance test per 100 cycles
IDC Durability	Max. 200 pinching times
Standards compliant	Performance is in compliance with the TIA/EIA-568-C2

Part Number: PL-KE6UTL



FEATURES:

Cat.6 UTP Unshielded Toolless Keystone Jack

- Conform to TIA/EIA-568.2-D, ISO/IEC 11801-1 and EN50173-1 category 6 specification
- Supports T568 A&B wiring & easy installation
- Termination lid ensures excellent strain relief, cable bend radius control and secure fixing
- Accepts 22-24 AWG solid cables
- IDC contacts: high performance copper alloy with 50μ inch gold plating over nickel in contact area
- Housing material: high impact UL 94V-0 ABS
- Insertion life: 750 plug insertions minimum
- RoHS compliant

CHARACTERISTICS:

RJ45 Housing	PC
IDC House	PC
RJ45 Contact material & finished	Phosphor Bronze with 50-60" Nickel plated
	Contact area: Min. 3mm 3" Gold plated
IDC Terminal material & finished	Phosphor Bronze with 50" Tin-Lead plated. over 50-60 " Nickel plated
	110 tool compatible
	Use for 23-24AWG stranded and solid wire
Property	The IDC color combine
Insertion Force	900 grams for 8 contacts
Retention Strength	7.7 kgs between jack and plug
Operation Temperature	-30° C to 70° C
Jack Durability	Jack: 750 cycles Plug-Jack mating and unmating test. Insertion cycles at 20 cycles/minute max. Contact resistance test per 100 cycles
IDC Durability	Max. 200 pinching times
Standards compliant	Performance is in compliance with the TIA/EIA-568-C2

Part Number: PL-KE6UTL

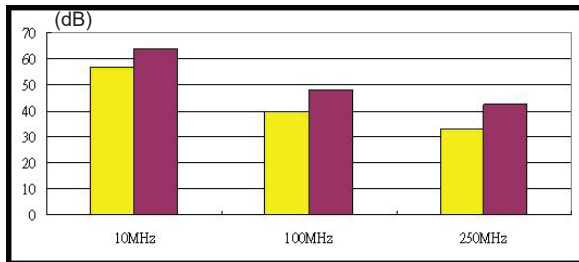
APPLICATIONS:

- 1000BASE-TX
- 1000BASE-T
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

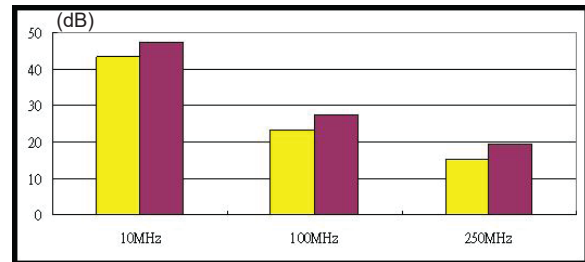
TYPICAL PERFORMANCE:

Cat.6 UTP

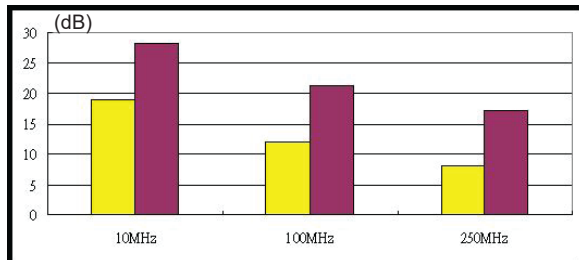
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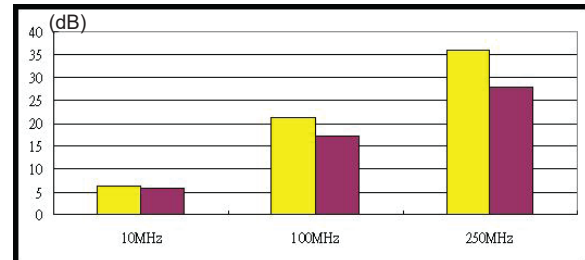
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Return Loss



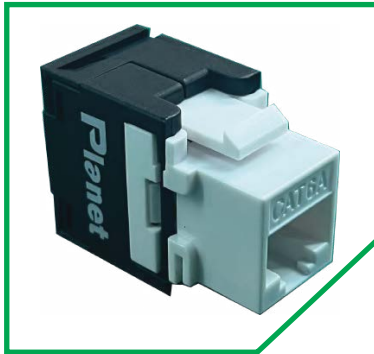
Insertion Loss



Cat.6 Limit Typical

Part Number: PL-KE6AUTL

DRAWING:



FEATURES:

Cat.6A UTP Unshielded Toolless Keystone Jack

- Conform to TIA/EIA-568.2-D, ISO/IEC 11801-1 and EN50173-1 category 6A specification
- Supports T568 A&B wiring & easy installation
- Termination lid ensures excellent strain relief, cable bend radius control and secure fixing
- Accepts 22-24 AWG solid cables
- IDC contacts: high performance copper alloy with 50µ inch gold plating over nickel in contact area
- Housing material: high impact UL 94V-0 ABS
- Insertion life: 750 plug insertions minimum
- RoHS compliant

CHARACTERISTICS:

RJ45 Housing	PC
IDC House	PC
RJ45 Contact material & finished	Phosphor Bronze with 50-60" Nickel plated
	Contact area: Min. 3mm 3" Gold plated
IDC Terminal material & finished	Phosphor Bronze with 50" Tin-Lead plated. over 50-60 " Nickel plated
	110 tool compatible
	Use for 23-24AWG stranded and solid wire
Property	The IDC color combine
Insertion Force	900 grams for 8 contacts
Retention Strength	7.7 kgs between jack and plug
Operation Temperature	-30° C to 70° C
Jack Durability	Jack: 750 cycles Plug-Jack mating and unmating test. Insertion cycles at 20 cycles/minute max. Contact resistance test per 100 cycles
IDC Durability	Max. 200 pinching times
Standards compliant	Performance is in compliance with the TIA/EIA-568-C2

Part Number: PL-KE6AUTL

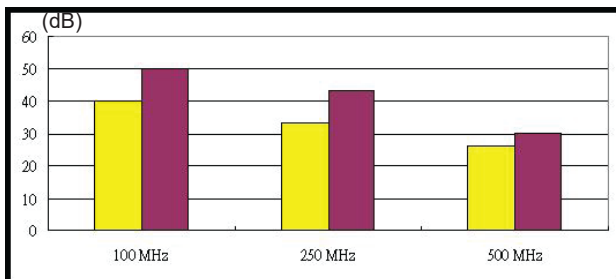
APPLICATIONS:

- 10GBASE-T Ethernet
- 1000BASE-TX
- 1000BASE-T
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

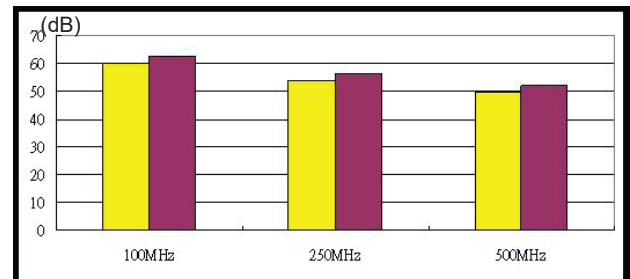
TYPICAL PERFORMANCE:

CAT.6A UTP

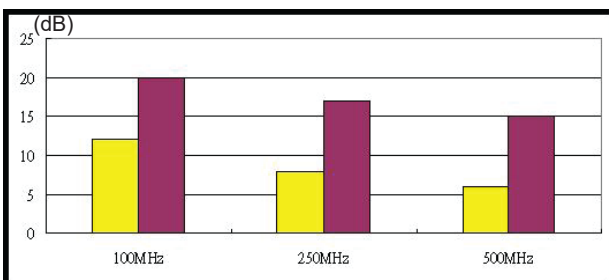
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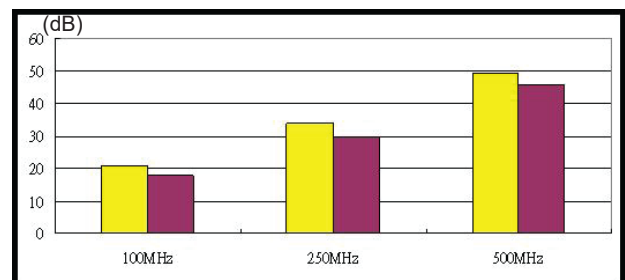
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Return Loss

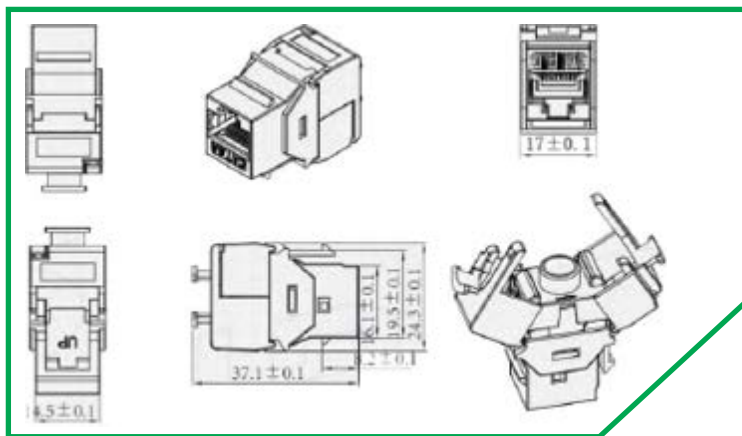
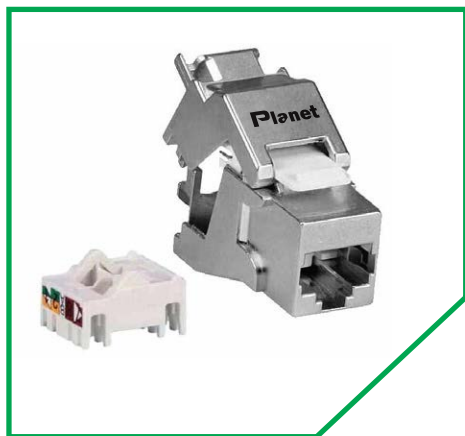


Insertion Loss



■ Cat.6A Limit ■ Typical

Part Number: PL-KE6STL



FEATURES:

Cat.6 STP Toolless Keystone Jack

- Conform to TIA/EIA-568.2-D, ISO/IEC 11801-1 and EN50173-1 category 6 specification
- Supports T568 A&B wiring & easy installation
- Termination lid ensures excellent strain relief, cable bend radius control and secure fixing
- Accepts 22-24 AWG solid cables
- IDC contacts: high performance copper alloy with 50μ inch gold plating over nickel in contact area
- Housing material: high impact UL 94V-0 ABS
- Insertion life: 750 plug insertions minimum
- RoHS compliant

CHARACTERISTICS:

RJ45 Housing	PC
IDC House	PC
RJ45 Contact material & finished	Phosphor Bronze with 50-60" Nickel plated
	Contact area: Min. 3mm 3" Gold plated
IDC Terminal material & finished	Phosphor Bronze with 50" Tin-Lead plated. over 50-60 " Nickel plated
	110 tool compatible
	Use for 23-24AWG stranded and solid wire
Property	The IDC color combine
Insertion Force	900 grams for 8 contacts
Retention Strength	7.7 kgs between jack and plug
Operation Temperature	-30° C to 70° C
Jack Durability	Jack: 750 cycles Plug-Jack mating and unmating test. Insertion cycles at 20 cycles/minute max. Contact resistance test per 100 cycles
IDC Durability	Max. 200 pinching times
Standards compliant	Performance is in compliance with the TIA/EIA-568-C2

Part Number: PL-KE6STL

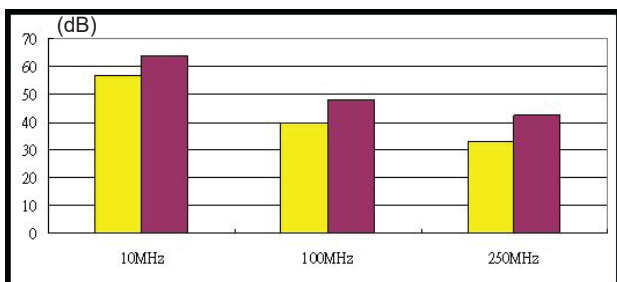
APPLICATIONS:

- 1000BASE-TX
- 1000BASE-T
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

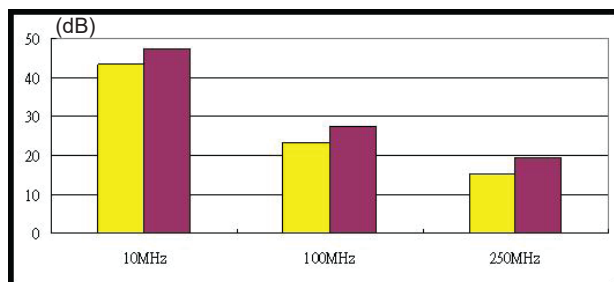
TYPICAL PERFORMANCE:

Cat.6 STP

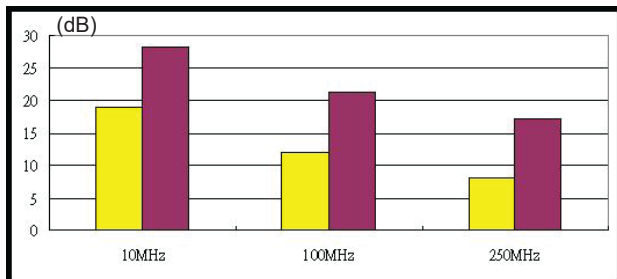
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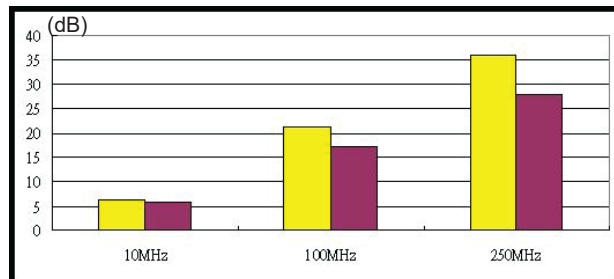
ELFEXT



Return Loss



Insertion Loss



■ Cat.6 Limit ■ Typical

Part Number: PL-KE6ASTL

DRAWING:



FEATURES:

Cat.6A STP Toolless Keystone Jack

- Conform to TIA/EIA-568.2-D, ISO/IEC 11801-1 and EN50173-1 category 6A specification
- Supports T568 A&B wiring & easy installation
- Termination lid ensures excellent strain relief, cable bend radius control and secure fixing
- Accepts 22-24 AWG solid cables
- IDC contacts: high performance copper alloy with 50μ inch gold plating over nickel in contact area
- Housing material: high impact UL 94V-0 ABS
- Insertion life: 750 plug insertions minimum
- RoHS compliant

CHARACTERISTICS:

Housing material	Zinc Alloy
Insert material	Flame Retardant PC
PCB material	FR-4T=1.2mm
Contact material	Phosphor bronze stamp PIN T=0.35mm
IDC contact material	Phosphor bronze T=0.50mm WITH TIN PLATING
RJ45 JACK LIFE	750 TIMES MIN
IDC LIFE	200 TIMES MIN
Storage ENVIRONMENTAL	-40°TO +70°
Operation	-10°TO 60°
Voltage rating	125 VAC RMS
Current rating	1.5 AMP
WIRE	AWG 22~24
TIA Cat 6A Perm	Link Test: Worst pair NEXT margin $\geq$ 3.0dB
Contact resistance	20 Milliohms MAX
Insulation resistance	100 Megohms MIN @ 500 VDC
Dielectric strength	750 VAC RMS 60Hz, 1MIN

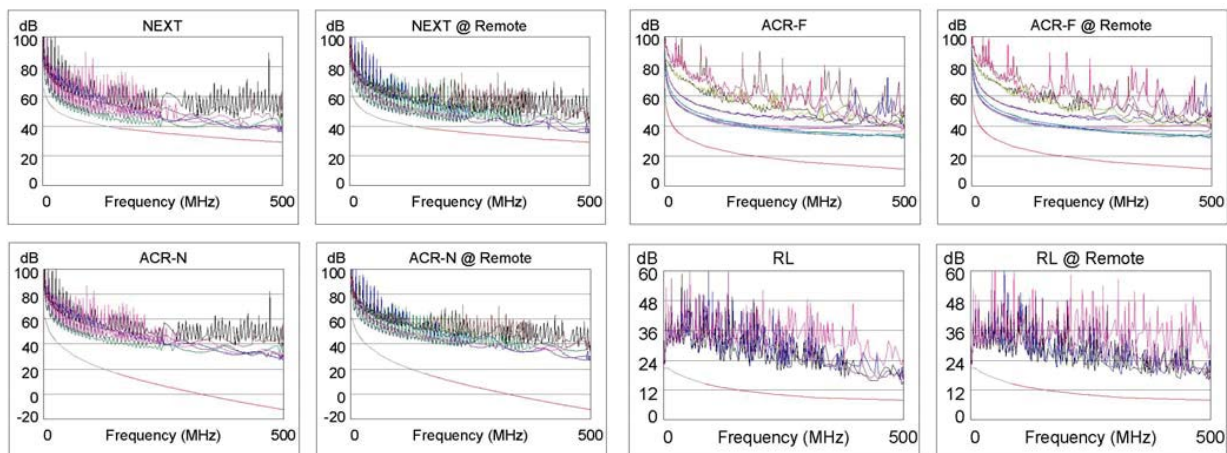
Part Number: PL-KE6ASTL

APPLICATIONS:

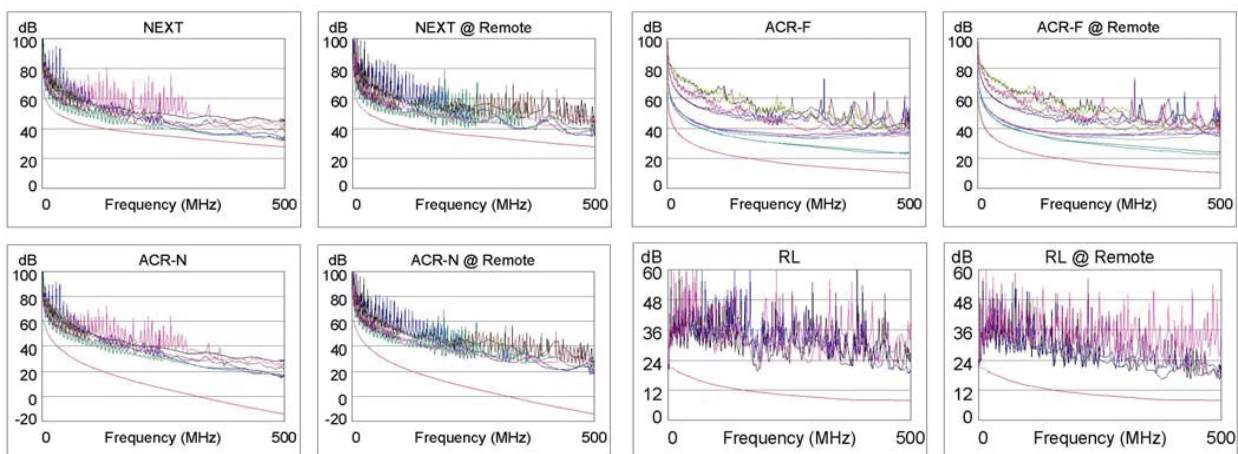
- 10GBASE-T Ethernet
- 1000BASE-TX
- 1000BASE-T
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

TYPICAL PERFORMANCE:

CAT.6A STP PL2



CAT.6A STP PL3



Part Number: PL-KE7STL

DRAWING:



FEATURES:

Cat.6A STP Toolless Keystone Jack

- Conform to TIA/EIA-568.2-D, ISO/IEC 11801-1 and EN50173-1 category 7 specification
- Supports T568 A&B wiring & easy installation
- Termination lid ensures excellent strain relief, cable bend radius control and secure fixing
- Accepts 22-24 AWG solid cables
- IDC contacts: high performance copper alloy with 50μ inch gold plating over nickel in contact area
- Housing material: high impact UL 94V-0 ABS
- Insertion life: 750 plug insertions minimum
- RoHS compliant

CHARACTERISTICS:

Housing material	Zinc Alloy
Insert material	Flame Retardant PC
PCB material	FR-4T=1.2mm
Contact material	Phosphor bronze stamp PIN T=0.35mm
IDC contact material	Phosphor bronze T=0.50mm WITH TIN PLATING
RJ45 JACK LIFE	750 TIMES MIN
IDC LIFE	200 TIMES MIN
Storage ENVIRONMENTAL	-40°TO +70°
Operation	-10°TO 60°
Voltage rating	125 VAC RMS
Current rating	1.5 AMP
WIRE	AWG 22~24
TIA Cat 6APerm	Link Test: Worst pair NEXT margin3.0dB
Contact resistance	20 Milliohms MAX
Insulation resistance	100 Megohms MIN @ 500 VDC
Dielectric strength	750 VAC RMS 60Hz, 1MIN

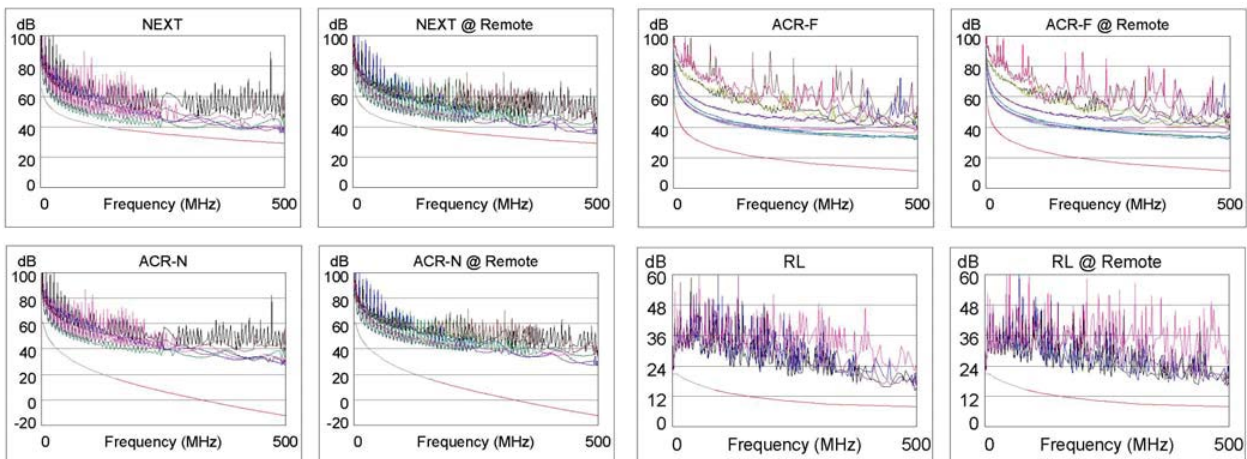
Part Number: PL-KE7STL

APPLICATIONS:

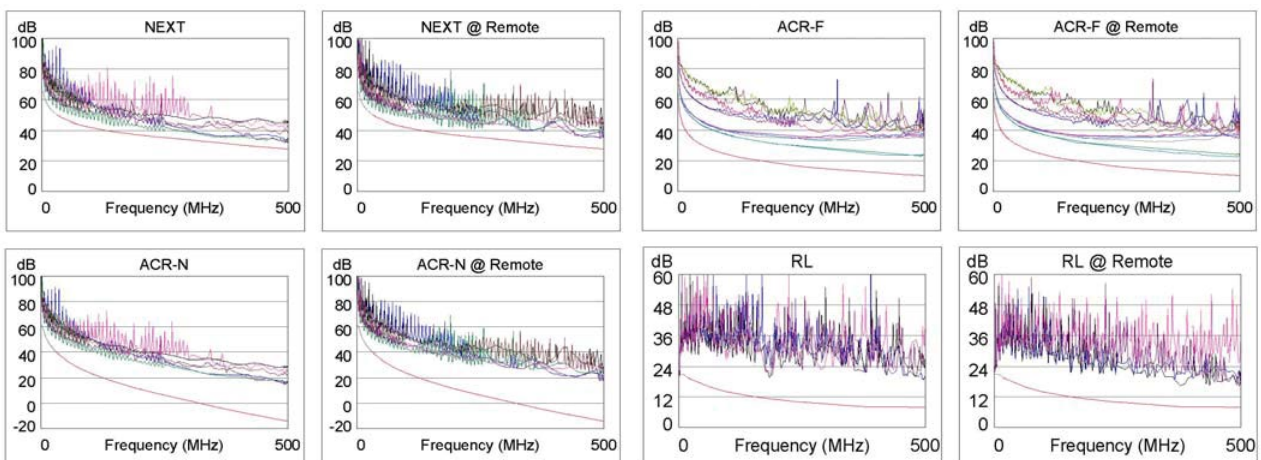
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- 1000BASE-TX
- 1000BASE-T
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

TYPICAL PERFORMANCE:

CAT.7 STP PL2



CAT.7 STP PL3



Part Number: PL-RJ11U3



FEATURES:

- Cat.3 RJ11 UTP Modular Plug, 6P4C
- Clear RJ11 Cat.3 connectors terminate round solid or stranded conductor cabling in phone.

Technical Specifications:

Type	Cat3 6P4C RJ11
Color	Transparent
Housing	Polycarbonate
Contact	Blade Copper
Application	Solid Cable Patch Cord Modular Plug
Shield or not	UTP
Gold Plating	3μ
Insulation Resistance	10 GΩ
Rated Voltage	30 V
Durability	200 Mating Cycles

Part Number: PL-RJ45U6



FEATURES:

Cat.5E/ 6 RJ45 UTP Modular Plug, 8P8C

- That suit UTP solid core network cable and patch type leads.
- Full compatible with all network speeds from megabit to gigabit.
- Single piece plugs with no load bars or inserts
- Hard wearing plastic construction with locking tabs
- Terminates: Cat.5E/6/6A UTP, Crossover and Patch for 10/100/1000 speeds

Technical Specifications:

Type	Cat6 8P8C RJ45
Color	Transparent
Housing	Polycarbonate
Contact	Blade Copper
Application	Solid Cable Patch Cord Modular Plug
Shield or not	UTP
Gold Plating	3μ
Insulation Resistance	10 GΩ
Rated Voltage	30 V
Durability	200 Mating Cycles

Part Number: PL-RJ45UD6



FEATURES:

Cat.5E/ 6 RJ45 UTP Modular Plug, 8P8C

- That suit UTP solid core network cable and patch type leads.
- Full compatible with all network speeds from megabit to gigabit.
- Single piece plugs with no load bars or inserts
- Hard wearing plastic construction with locking tabs
- Terminates: Cat.5E/6/6A UTP, Crossover and Patch for 10/100/1000 speeds
- Direct connection (Easy connector)

Technical Specifications:

Type	Cat6 8P8C RJ45
Color	Transparent
Housing	Polycarbonate
Contact	Blade Copper
Application	Solid Cable Patch Cord Modular Plug
Shield or not	UTP
Gold Plating	3μ
Insulation Resistance	10 GΩ
Rated Voltage	30 V
Durability	200 Mating Cycles

Part Number: PL-RJ45F6



FEATURES:

Cat.5E/ 6 RJ45 FTP Modular Plug, 8P8C

- That suit FTP solid core network cable and patch type leads.
- Full compatible with all network speeds from megabit to gigabit.
- Single piece plugs with no load bars or inserts
- Hard wearing plastic construction with locking tabs
- Terminates: Cat.5E/6/6A FTP, Crossover and Patch for 10/100/1000 speeds

Technical Specifications:

Type	Cat6 8P8C RJ45
Color	Transparent
Housing	Polycarbonate
Contact	Blade Copper
Application	Solid Cable Patch Cord Modular Plug
Shield or not	FTP
Gold Plating	3μ
Insulation Resistance	10 GΩ
Rated Voltage	30 V
Durability	200 Mating Cycles

Part Number: PL-RJ45S6



FEATURES:

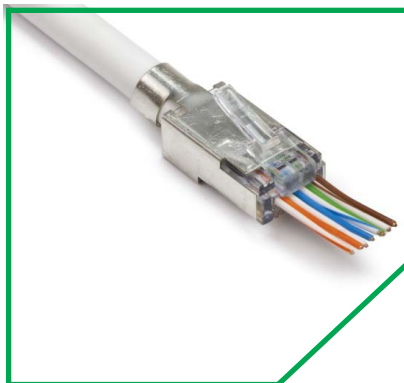
Cat.5E/ 6 RJ45 STP Modular Plug, 8P8C

- That suit STP solid core network cable and patch type leads.
- Full compatible with all network speeds from megabit to gigabit.
- Single piece plugs with no load bars or inserts
- Hard wearing plastic construction with locking tabs
- Terminates: Cat.5E/6/6A STP, Crossover and Patch for 10/100/1000 speeds

Technical Specifications:

Type	Cat6 8P8C RJ45
Color	Transparent
Housing	Polycarbonate
Contact	Blade Copper
Application	Solid Cable Patch Cord Modular Plug
Shield or not	STP
Gold Plating	3μ
Insulation Resistance	10 GΩ
Rated Voltage	30 V
Durability	200 Mating Cycles

Part Number: PL-RJ45SD6



FEATURES:

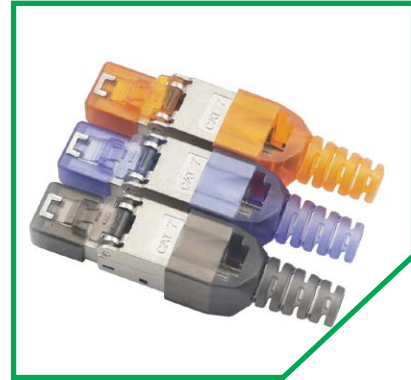
Cat.5E/ 6 RJ45 STP Modular Plug, 8P8C

- That suit STP solid core network cable and patch type leads.
- Full compatible with all network speeds from megabit to gigabit.
- Single piece plugs with no load bars or inserts
- Hard wearing plastic construction with locking tabs
- Terminates: Cat.5E/6/6A STP, Crossover and Patch for 10/100/1000 speeds
- Direct connection (Easy connector)

Technical Specifications:

Type	Cat6 8P8C RJ45
Color	Transparent
Housing	Polycarbonate
Contact	Blade Copper
Application	Solid Cable Patch Cord Modular Plug
Shield or not	STP
Gold Plating	3μ
Insulation Resistance	10 GΩ
Rated Voltage	30 V
Durability	200 Mating Cycles

Part Number: PL- RJ45ST7



Description:

RJ 45 CAT.7 SFTP Toolless, 10GIGA, **8P8C**

- Planet shielded CAT7 RJ45 modular connector is designed to terminate solid CAT.7 lan cable or patch cable. The connector contains two metal "teeth" that hold the wire in place giving a reliable connection. Easy to terminate, these connectors are useful for creating custom-length patch cables from bulk cable.

Specifications:

- IDC material: PC UL-94V0
- Contact plating: 50μ gold plated

Features:

- Meeting the TIA/EIA-568-C.2, ISO/IEC11801 and EN50173-1 specifications.
- Complying with category 6A/7 patch cord testing performance requirements.
- Connector accepts 22-26 AWG solid and stranded shielded cables.
- Supporting T568 A&B wiring & easy installation.
- Terminating cable without tools

Part Number: PL-MFFRJ4



FEATURES:

In-line Jack direct connector

- Join two patch cords
- Straight through
- Extend Category 6 patch cords without losing Category 6 performance
- Keystone version

APPLICATIONS:

- 1000BASE-TX
- 1000BASE-T
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

CHARACTERISTICS:

RJ45 Housing	PC
IDC House	PC
RJ45 Contact material & finished	Phosphor Bronze with 50 -60" Nickel plated
	Contact area: Min. 3mm 3" Gold plated
IDC Terminal material & finished	Phosphor Bronze with 50" Tin -Lead plated. over 50-60 " Nickel plated
	110 tool compatible
	Use for 23-24AWG stranded and solid wire

Part Number: PL-PCzzyxmn

Compliant with Cat6 standards as:

- ANSI/TIA 568-C.2:2011
- ISO/IEC 11801 Class E:2011 (Edition 2.2)

Compliant with safety standards as:

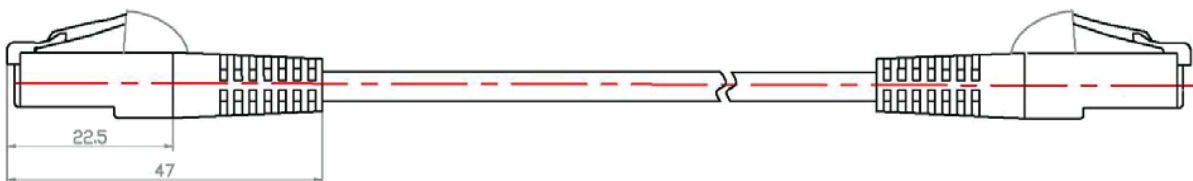
- IEC 60332-1-2:2004
- RoHS compliant (EU Directive 2011/65/EC)



Technical Specifications

Conductor	Material / Size	Bare Copper / 24 AWG	
Insulation	Material	HDPE	
	Diameter	1.05 ± 0.06 mm	
Sheath	Material	PVC	LSZH
	Diameter	5.6 ± 0.2 mm	5.6 ± 0.2 mm

DRAWING:



APPLICATIONS:

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

Part Number: PL-PCzzyxmn zz:Length / yx:category / mn:color

Description: Category 6 U/UTP Patch Cord

Part Number: PL-PCzzyxmu

Compliant with Cat6A standards as:

- ANSI/TIA 568-C.2:2011
- ISO/IEC 11801 Class E:2011 (Edition 2.2)

Compliant with safety standards as:

- IEC 60332-1-2:2004
- RoHS compliant (EU Directive 2011/65/EC)



Technical Specifications

Conductor	Material / Size	Bare Copper / 24 AWG	
Insulation	Material	HDPE	
	Diameter	1.05 ± 0.06 mm	
Sheath	Material	PVC	LSZH
	Diameter	6.0 ± 0.2 mm	6.0 ± 0.2 mm

DRAWING:



APPLICATIONS:

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

Part Number: PL-PCzzyxmu zz:Length / yx:category / mu:color

Description: Category 6A U/UTP Patch Cord

Part Number: PL-PCzzzyxmm

Compliant with Cat6 standards as:

- ANSI/TIA 568-C.2:2011
- ISO/IEC 11801 Class E:2011 (Edition 2.2)

Compliant with safety standards as:

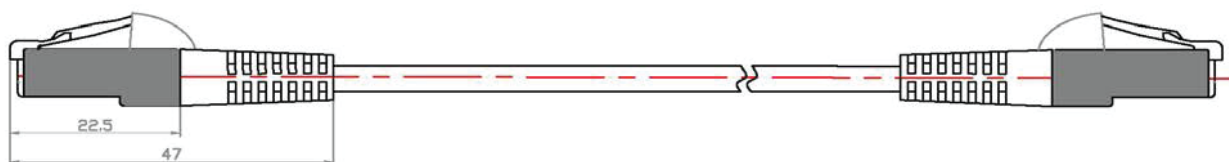
- IEC 60332-1-2:2004
- RoHS compliant (EU Directive 2011/65/EC)



Technical Specifications

Conductor	Material / Size	Bare Copper / 26 AWG	
Insulation	Material	HDPE	
	Diameter	1.05 ± 0.06 mm	
Sheath	Material	PVC	LSZH
	Diameter	5.8 ± 0.2 mm	5.8 ± 0.2 mm

DRAWING:



APPLICATIONS:

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

Part Number: PL-PCzzzyxmm zz:Length / yx:category / mm:color

Description: Category 6 F/UTP Patch Cord

Part Number: PL-PCzzyxms

Compliant with Cat6A standards as:

- ANSI/TIA 568-C.2:2011
- ISO/IEC 11801 Class E:2011 (Edition 2.2)

Compliant with safety standards as:

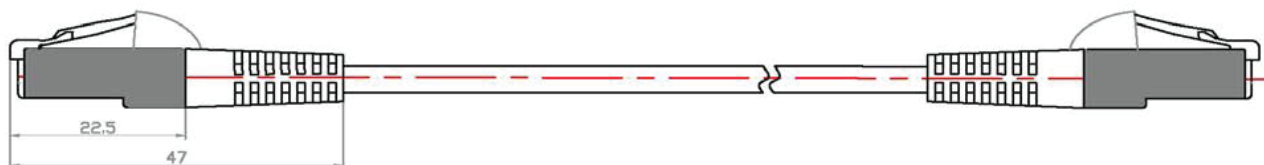
- IEC 60332-1-2:2004
- RoHS compliant (EU Directive 2011/65/EC)



Technical Specifications

Conductor	Material / Size	Bare Copper / 26 AWG	
Insulation	Material	HDPE	
	Diameter	1.05 ± 0.06 mm	
Sheath	Material	PVC	LSZH
	Diameter	6.2 ± 0.2 mm	6.2 ± 0.2 mm

DRAWING:



APPLICATIONS:

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

Part Number: PL-PCzzyxms zz:Length / yx:category / ms:color

Description: Category 6A F/UTP Patch Cord

Part Number: PL-PCzzyxmm

Compliant with Cat6 standards as:

- ANSI/TIA 568-C.2:2011
- ISO/IEC 11801 Class E:2011 (Edition 2.2)

Compliant with safety standards as:

- IEC 60332-1-2:2004
- RoHS compliant (EU Directive 2011/65/EC)



Technical Specifications

Conductor	Material / Size	Bare Copper / 26 AWG	
Insulation	Material	HDPE	
	Diameter	1.05 ± 0.06 mm	
Sheath	Material	PVC	LSZH
	Diameter	5.8 ± 0.2 mm	5.8 ± 0.2 mm

DRAWING:



APPLICATIONS:

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

Part Number: PL-PCzzyxmm zz:Length / yx:category / mm:color

Description: Category 6 S/FTP Patch Cord

Part Number: PL-PCzzyxms

Compliant with Cat6A standards as:

- ANSI/TIA 568-C.2:2011
- ISO/IEC 11801 Class E:2011 (Edition 2.2)

Compliant with safety standards as:

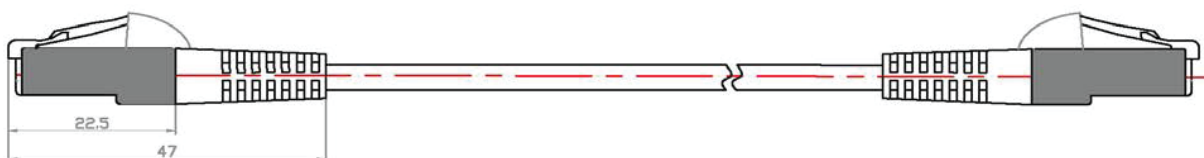
- IEC 60332-1-2:2004
- RoHS compliant (EU Directive 2011/65/EC)



Technical Specifications

Conductor	Material / Size	Bare Copper / 26 AWG	
Insulation	Material	HDPE	
	Diameter	1.05 ± 0.06 mm	
Sheath	Material	PVC	LSZH
	Diameter	6.2 ± 0.2 mm	6.2 ± 0.2 mm

DRAWING:



APPLICATIONS:

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

Part Number: PL-PCzzyxms zz:Length / yx:category / ms:color

Description: Category 6A S/FTP Patch Cord

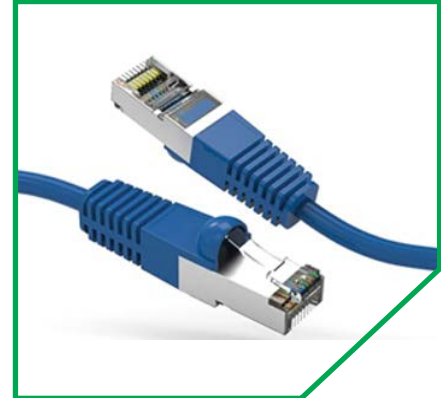
Part Number: PL-PCzzyxmg

Compliant with Cat7 standards as:

- ANSI/TIA 568-C.2:2011
- ISO/IEC 11801 Class E:2011 (Edition 2.2)

Compliant with safety standards as:

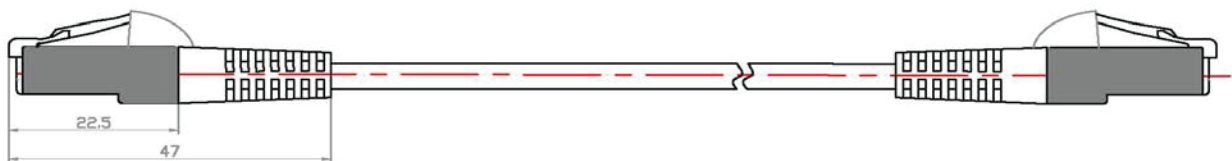
- IEC 60332-1-2:2004
- RoHS compliant (EU Directive 2011/65/EC)



Technical Specifications

Conductor	Material / Size	Bare Copper / 26 AWG	
Insulation	Material	HDPE	
	Diameter	1.05 ± 0.06 mm	
Sheath	Material	PVC	LSZH
	Diameter	6.4 ± 0.2 mm	6.4 ± 0.2 mm

DRAWING:



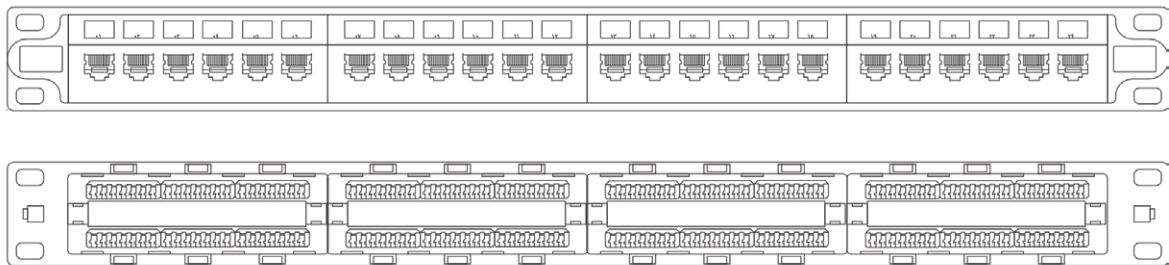
APPLICATIONS:

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

Part Number: PL-PCzzyxmg zz:Length / yx:category / mg:color

Description: Category 7 S/FTP Patch Cord

Part Number: PL-PP24UL



FEATURES:

Planet Patch Panel 24 Port punch down RJ45 Cat6 unshielded in 1U height

Comply with ANSI/TIA-568.2-D, ISO/IEC 11801-1 and

EN 50173-1 Class E specifications..

The clear numbering on both the front and back of each panel gives you a quick and easy way to identify cable runs.

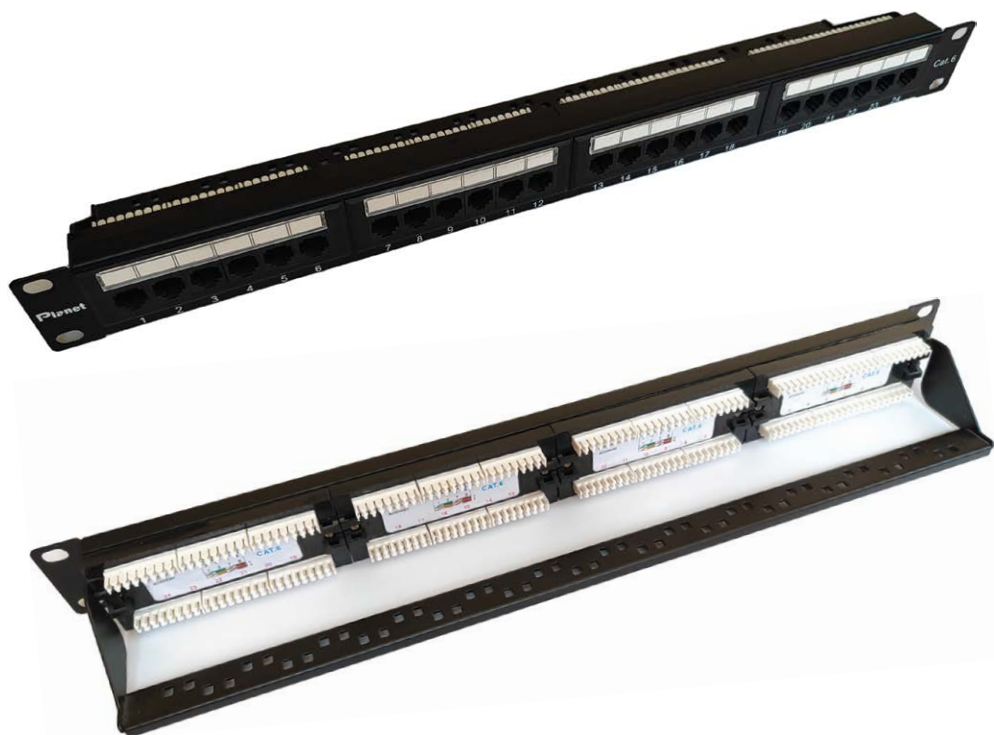
Applications:

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

Part Number: PL-PP24UL

Technical Specifications:

Panel	1.5mm SPCC with Black color painting
RJ45 Housing	PBT
RJ45 Contact Material & Finished	Phosphor Bronze With 50-60" Nickel plated
	Contact area: Min. 3mm 3" Gold plated
IDC House	PC
IDC Terminal Material & Finished	Phosphor Bronze with 50" Tin-Lead plated. over 50-60" Nickel plated.
	100 & krone tool compatible
	Use for 23-24AWG stranded and solid wire
Jack Bracket Set	ABS Black color
Property	The IDC color combines two wirings of T568A & T568B.
Insertion Force	900 grams for 8 contacts.
Retention Temperature	-30° C to 70° C
Jack Durability	Jack: 750 cycles Plug- Jack mating and unmating test, Insertion cycles at 20 cycles/minute max. Contact resistance test per 100 cycles.
IDC Durability	Max, 200 pinching times.
Standards Compliant	The Cat.6 performance is in compliance with the ANSI/ TIA/ EIA 568 B. 2 Standard Jack



Part Number: PL-PP48UL



FEATURES:

Planet Patch Panel 48 Port punch down RJ45 Cat6 unshielded in

Comply with ANSI/TIA-568.2-D, ISO/IEC 11801-1 and

EN 50173-1 Class E specifications..

The clear numbering on both the front and back of each panel gives you a quick and easy way to identify cable runs.

Applications:

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

Part Number: PL-PP48UL

Technical Specifications:

Panel	1.5mm SPCC with Black color painting
RJ45 Housing	PBT
RJ45 Contact Material & Finished	Phosphor Bronze With 50-60" Nickel plated
	Contact area: Min. 3mm 3" Gold plated
IDC House	PC
IDC Terminal Material & Finished	Phosphor Bronze with 50" Tin-Lead plated. over 50-60" Nickel plead.
	100 & krone tool compatible
	Use for 23-24AWG stranded and solid wire
Jack Bracket Set	ABS Black color
Property	The IDC color combines two wirings of T568A & T568B.
Insertion Force	900 grams for 8 contacts.
Retention Temperature	-30° C to 70° C
Jack Durability	Jack: 750 cycles Plug- Jack mating and unmating test, Insertion cycles at 20 cycles/minute max. Contact resistance test per 100 cycles.
IDC Durability	Max, 200 pinching times.
Standards Compliant	The Cat.6 performance is in compliance with the ANSI/ TIA/ EIA 568 B. 2 Standard Jack



Part Number: PL-PP24UU



FEATURES:

24-port Blank Patch Panel, Unshielded Jack Style

- Designed for Planet keystone (P/N: PL-KE6UPD + PL-KE6UTL)
- Include removable cable management
- 24 ports in 1U height
- RoHS compliant



Part Number: PL-PP48UU



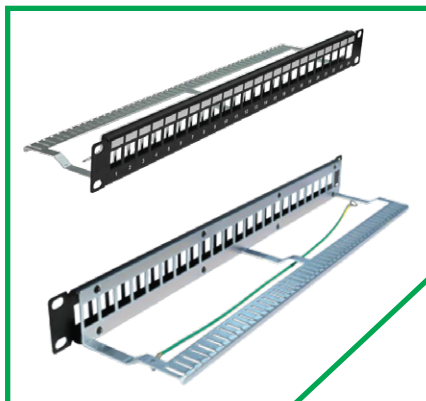
FEATURES:

48-port Blank Patch Panel, Unshielded Jack Style

- Designed for Planet keystone (P/N: PL-KE6UPD + PL-KE6UTL)
- Include removable cable management
- 48 ports in 1U height
- RoHS compliant



Part Number: PL-PP24SU



FEATURES:

- 24 port Blank Patch Panel, shielded Jack Style 24
- Designed for Planet keystone:
- (P/N: PL-KE6UPD + PL-KE6UTL + PL-KE6AUTL + PL-KE6STL+ PL-KE6ASTL + PL-KE7STL)
- Include removable cable management and grounding wire
- 24 ports in 1U height
- RoHS compliant



Part Number: PL-PA24SU



FEATURES:

24-port angled Blank Patch Panel, shielded Jack Style

- Designed for Planet keystone:
- (P/N: PL-KE6UPD + PL-KE6UTL + PL-KE6AUTL + PL-KE6STL+ PL-KE6ASTL + PL-KE7STL)
- Include removable cable management and grounding wire
- 24 ports in 1U height
- RoHS compliant



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