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LAN UTP Cable



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CAT7 SFTP LAN CABLE



PRODUCTS DESCRIPTION

Application

10GBASE-T Ethernet, 1000BASE-Tx Gigabit Ethernet, 10BASE-T, 100BASE-T Fast Ethernet (IEEE 802.3),100 VG-AnyLAN (IEEE802.12), 155/622 Mbps ATM, 550MHz Broadband Video, Voice, T1, ISDN

Standard Compliances:

All Proposed Category 7 requirements as per ANSI/TIA/EIA, ISO/IEC, and CENELEC EN Standards.

ANSI/TIA/EIA 568-B.2-10, draft ISO/IEC 11801 CLASS F, 2nd Edition CENELEC EN 50173-1 CENELEC EN 50288-4-1, 2nd Edition CENELEC EN 50288-4-2 Flame Retardancy is verified according to IEC 60332-1-2.

ELECTRICAL PERFORMANCE

Spark Test	1050 V ac
Dielectric Strength	2500 V dc / 3 seconds
Insulation Resistance Test	Min. 150 MΩ/Km
Conductor Resistance	Max. 9.38 Ω/100m at 20°C
Resistance Unbalance	Max. 2%
Capacitance Unbalance	Max. 160 pF/100m
Mutual Capacitance	Max. 5600 pF/100m
Impedance	64kHz 125Ω ± 20% 1 ~250MHz 100Ω±15% 300-600MHZ 100Ω ± 25%

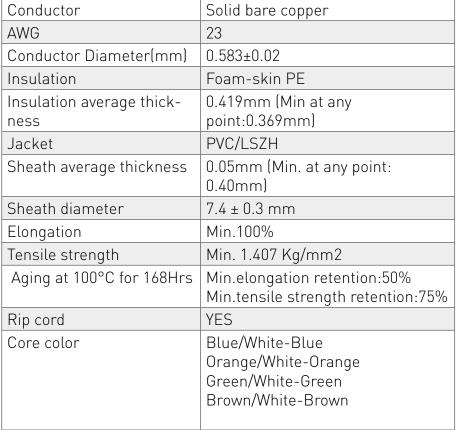


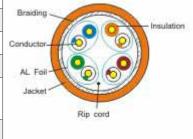
CAT7 SFTP LAN CABLE

CABLE DATA

PRESENTATION

SFTP







TYPICAL CABLE PERFOMANCE

Frequency (MHz)	Attenuation (dB/100 meters at 20°C), Max.		Power Sum n (dB), Min.		
1	2.0*	80.0*	77.0*		
4	3.7*	80.0*	77.0*		
10	5.9*	80.0*	77.0*		
16	7.4*	80.0*	77.0*		
20	8.3*	80.0*	77.0*		
31.25	10.4*	80.0*	77.0*		
62.5	14.9*	75.5*	72.5*		
100	19.0*	72.4*	69.4*		
155	24.0*	69.5*	66.5*		
200	27.5*	67.9*	64.9*		
300	34.2*	65.2*	62.2*		
600	50.10*	60.7*	57.7*		



CAT6 SFTP LAN CABLE



PRODUCTS DESCRIPTION

Application

Voice. T1, ISDN, 10BASE-T, 100BASE-T Fast Ethernet (IEEE 802.3), 100 VG - any LAN(IEEE802.12), 155/622 Mbps ATM, 550 MHz Broadband Video, 1000BASE-T Gigabit Ethernet

Standard Compliances:

All Proposed Category 6 requirements as per ANSI/TIA/EIA, ISO/IEC, and CENELEC EN Standards.
ANSI/TIA/EIA 568-B.2-1 CAT. 6

ISO/IEC 11801 CLASS E. 2nd Edition IEC 61156-6

CENELEC EN 50173-1 CENELEC EN 50288-5-1

CENELEC EN 50288-5-2

Flame Retardancy is verified according to IEC 60332-1-2.

ELECTRICAL PERFORMANCE

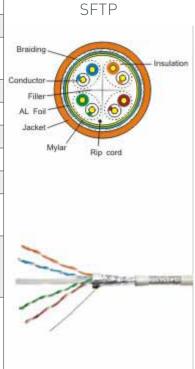
Spark Test	1050 V ac			
Dielectric Strength	2500 V dc / 3 seconds			
Insulation Resistance Test	Min. 150 MΩ/Km			
Conductor Resistance	Max. 6.8 Ω/100m at 20°C			
Resistance Unbalance	Max. 2%			
Capacitance Unbalance	Max. 330 pF/100m			
Mutual Capacitance	Max. 5600 pF/100m			
Impedance	64kHz 125Ω ±20% 1 ~250MHz 100Ω ±15%			



CAT6 SFTP LAN CABLE

PRESENTATION CABLE DATA

Conductor	bare copper
AWG	23
Conductor Diameter(mm)	0.56±0.02
Insulation	Foam-skin PE
Insulation average thick- ness	0.414 mm Min at any point: 0.364
Jacket	PVC/LSZH
Average thickness	0.54mm
Min point thickness	0.4mm
Outer Dia	7.2 ±0.3mm
Elongation	Min. 100% / min. 125%
Tensile strength	Min. 1.407 kg/mm²/ Min. 0.917 Kg/mm²
Aging at 100°C for 168Hrs	Min. elongation retention: 50% Min. tensile strength retention: 75%
Core color	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown

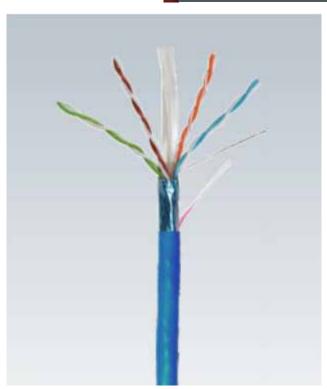


TYPICAL CABLE PERFOMANCE

Frequency (MHz)	Attenuation (dB/100 meters at 20°C), Max.	Next (dB), Min	Power Sum (dB), Min.
0.772		67*	64*
1.0		65*	62*
4.0	6.4*	56*	53*
8.0	8.9*	51*	48*
10.0	9.9*	50*	47*
16.0	12.3*	47*	44*
20.0	13.8*	45*	42*
25.0	16.0*	44*	41*
31.25	17.1*	42*	39*
62.5	25.6*	38*	35*
100.0	100MHz	33.0*	32*
125.0	37.4*	34*	31*



CAT6 FTP LAN CABLE



PRODUCTS DESCRIPTION

Application

POTS. T1&T1 fractional ISDN basic&primary Rate. 4/16 Mbps Token Ring(IEEE802.5).10BAST-T (IEEE 802.3),100Mbpa TP-PMD.52/155Mbps ATM (ATM Forum). 100BAST-T4 (Ethemet), 100 VG-AnyLAN (IEEE802.12), 100 BAST-T(Fast Ethernet), 1 Gbps Ethemet(IEEE 802.3)

ELECTRICAL PERFORMANCE

1.0-100.0 MHz Impendance(ohms)100±15
100.0-250.0 MHz Impendance(ohms)100±22
Impendance Delay screw(ns/100m)<45
Pair to Ground Capacitance Unbalance (PF/100m)330Max conductor DC resistance 20%(ohms/km)<73.2

Resistance Unbalance(%)	5
Test object	jacket
Test material	PVC
Before Tensile strength(Mpa)	≥13.8
Aging Elongation ((%)	≥100
Aging condition (C xhrs)	100x240
After Tensile strength(Mpa)	≥85% of unaged
Aging Elongation(%)	≥50% of unaged
Cold bend(-20±2 C *4 hrs)	No crock



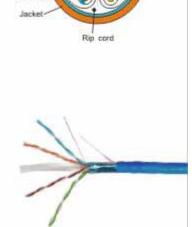
CAT6 FTP LAN CABLE

CABLE DATA PRESENTATION

Conductor	Solid bare copper
AWG	23
Conductor Dia(mm)	0.57
Insulation	PE
Average thickness(j0.03mm)	0.24
Min point thickness:	0.24
Insulation Dia(j0.03mm)	1.00
Twisting lay length(mm)	30 underneath
Cabling lay length(mm)	200 underneath
Jacket	PVC
Average thickness	0.5
Min point thickness	0.4
Outer Dia(jl.Omm)	6.6
Rip cord	YES
Weight Nom(kg/km)	60
Core color:	Blue-white/blue Orange-white/orange Green-white/orange Brown-white/brown



SFTP



TYPICAL CABLE PERFOMANCE

Frequency (MHz)	Return loss (dB)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)	PSNEXT (dB)	ELEFXT (dB/100m)	PSELEXT (dB/100m)	Delay (ns/100m)
0.772	19.4	1.8	76.0	74.0	74.0	70.0	67.0	575.0
1.0	20.0	2.0	74.3	72.0	72.3	67.8	64.8	570.0
4.0	23.0	3.8	65.5	61.0	63.3	55.8	52.8	552.0
8.0	24.5	5.3	60.8	55.0	58.8	49.7	46.7	546.7
10.0	25.0	6.0	59.3	53.0	57.3	47.8	44.8	545.4
16.0	25.0	7.6	56.2	49.0	54.2	43.7	40.7	543.0
20.0	25.0	8.5	54.8	46.0	52.8	41.8	38.8	542.0
25.0	24.3	9.5	53.3	44.0	51.3	39.8	36.8	541.2
31.25	23.6	10.7	51.9	41.0	49.9	37.9	34.9	540.4
62.5	21.5	15.4	47.4	32.0	45.4	31.9	28.9	538.6
100.0	20.1	19.8	44.3	24.5	42.3	27.8	24.8	537.6
200.0	18.0	29.0	39.8	10.8	37.8	21.8	18.8	536.5
250.0	17.3	32.8	38.3	5.5	36.3	19.8	16.8	536.3



CAT6 UTP LAN CABLE



PRODUCTS DESCRIPTION

Application

PPOTS.T1&T1 fractional, ISDN basic&primary Rate. 4/16 Mbps Token Ring (IEEE802.5).10BAST-T (IEEE 802.3), 100Mbpa TP-PMD.52/155Mbps ATM (ATM Forum). 100BAST-T4 (fast Ethernet), 100 VG-AnyLAN (IEEE802.12), 100 BAST-T(Fast Ethernet), 1 Gbps Ethemet (IEEE 802.3)

ELECTRICAL PERFORMANCE

1.0-100.0 MHz Impendance(ohms)100±15
100.0-250.0 MHz Impendance(ohms)100±22
Impendance Delay screw(ns/100m)<45
Pair to Ground Capacitance Unbalance (PF/100m)330Max conductor DC resistance 20%(ohms/km)<73.2

Resistance Unbalance(%)	5
Test object	jacket
Test material	PVC
Before Tensile strength(Mpa)	≥13.8
Aging Elongation ((%)	≥100
Aging condition (C xhrs)	100x240
After Tensile strength(Mpa)	≥85% of unaged
Aging Elongation(%)	≥50% of unaged
Cold bend(-20±2 C *4 hrs)	No crock

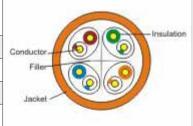


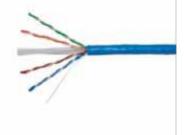
CAT6 UTP LAN CABLE

PRESENTATION CABLE DATA

Conductor	Solid bare copper
AWG	23
Conductor Dia(mm)	0.57
Insulation	PE
Average thickness(±0.03mm)	0.22
Min point thickness:	0.18
Insulation Dia(±0.03mm)	1.02
Twisting lay length(mm)	30 underneath
Cabling lay length(mm)	200 underneath
Jacket	PVC
Average thickness	0.5
Min point thickness	0.43
Outer Dia(±1 .0mm)	6.0
Rip cord	YES
Weight Nom(kg/km)	42
Core color:	Blue-white/blue Orange-white/orange Green- white/orange Brown-white/brown







TYPICAL CABLE PERFOMANCE

Frequency (MHz)	Return loss(dB)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)	PSNEXT (dB)	ELEFXT (dB/100m)	PSELEXT (dB/100m)	Delay (ns/100m)
0.772	9.4	108	76.0	74.0	74.0	70	67	575.0
1.0	20.30	2.0	74.3	72.0	72.3	67.8	64.8	570.0
4.0	23.0	3.8	65.5	61.0	63.3	55.8	52.8	552.0
8.0	2405	5.3	60.8	55.0	58.8	49.7	46.7	546.0
10.0	25.0	6.0	59.3	53.0	57.3	47.8	44.8	545.4
16.0	25.0	7.6	56.2	49.0	54.2	43.7	40.7	543.0
20.0	25.0	8.5	54.8	46.0	52.8	41.8	38.8	542.0
25.0	24.3	9.5	53.3	44.0	51.3	39.8	36.8	541.0
31.25	23.6	10.7	51.9	41.0	49.9	37.9	34.9	540.0
62.5	21.5	15.4	47.4	32.0	45.4	31.9	28.9	538.6
100.0	20.1	19.8	44.3	24.5	42.3	27.8	24.8	537.6
200.0	18.0	29.0	39.8	10.8	37.8	21.8	18.8	536.5
250.0	17.3	32.8	38.3	5.5	36.3	19.8	16.8	536.3



CAT5E SFTP LAN CABLE



PRODUCTS DESCRIPTION

Application

1000BASE-T Gigabit Ethernet 10BASE-T, 100BASE-T Fast Ethernet (IEEE 802.3) 100 VG - AnyLAN(IEEE802.12), 155/622 Mbps ATM 550MHz Broadband Video Voice, T1, ISDN

Standard Compliances:

All Category 5e Requirements as Per ANSI/TIA/EIA, ISO/IEC, and CENELEC EN Standards: ANSI/TIA/EIA 568-B.2 CAT.5e 2nd Edition ISO/IEC 11801 Class D CENELEC EN 50173-1 IEC 61156-5, CENELEC EN 50288-2-1 Horizontal Cable Flame Retardancy is Verified According to IEC 60332-1

ELECTRICAL PERFORMANCE

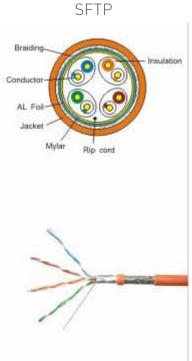
Spark Test	850 V ac	
Dielectric Strength	2500 V dc / 3 seconds	
Insulation Resistance Test	Min. 150MΩ/Km	
Conductor Resistance	Max. 9.38Ω/100m at20°C	
Resistance Unbalance	Max. 5%	
Capacitance Unbalance	Max. 330 pF/100m	
Mutual Capacitance	Max. 5600 pF/100m	
Impedance	722kHz 102Ω ±15% 1~125MHz 100Ω ±15%	



CAT5E SFTP LAN CABLE

CABLE DATA PRESENTATION

Conductor	bare copper
AWG	24
Conductor Dia(mm)	0.517±0.02
Insulation	Foam-skin PE
Average thickness	0.269 mm
Min at any point:	0.219mm
Jacket	PVC
Average thickness	0.5mm
Min point thickness	0.4mm
Outer Dia	6.0±0.3mm
Elongation	min. 100%
Tensile strength	min. 1.407 kg/ mm2
Aging at 100°C for 168Hrs	Min. elongation retention:50% Min. tensile strength reten- tion:75%
Colors	Blue-white/blue Orange-white/orange Green- white/orange Brown-white/brown



TYPICAL CABLE PERFOMANCE

Frequency (MHz)	Attenuation (dB/100 meters at20C), Max.	Next (dB), Min	Power Sum (dB), Min.
1MHz	_	65*	62
4	4.1'	56*	[53
8	5.8*	51*	48
10	6.5*	50*	47
16	8.2*	47*.	44
20	9.3*	45*	42
25	10.4*	44*	41
31.25	11.7*	42*	39
62.5	17.0*	38*	35
100	22.0*	35*	32
125.0	25.0*	34*	31*



CAT5E FTP LAN CABLE



PRODUCTS DESCRIPTION

Application

This 4-pair Category 5e cable is tested for power Sum NEXT, ELFEXT, Delay Skew. Propagation Delay and any other criteria as specified in the emerging standard. Applications can include Vocie, ISDN, ATM155 and 622Mbps, 100Mbps TPDDI, Fast and Gigabit Ethernet, Shielding protects against EMI/RFI interference

ELECTRICAL PERFORMANCE (AT 100MHZ)

1.0-100.OMHz lmpendance(ohms)100±15

1.0-100.0MHz Impendance delay screw(ns/100m)<45 Pair to Ground Capacitance Unbalance (PF/100m)330Max

Conductor DC resistance 20%(ohms/km)<93.8

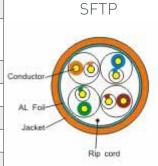
Resistance Unbalance(%)	5
Test object	jacket
Test Material	PVC
Before Tensile strength(Mpa)	≥13.8
Aging Elongation ((%)	≥100
Aging condition(C xhrs)	100X240
After Tensile strength(Mpa)	≥85% of unaged
Aging Elongation(%)	≥50% of naged
Cold bend(-20±2 C*4 hrs)	No crock

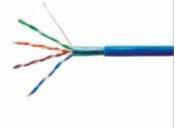


CAT5E FTP LAN CABLE

PRESENTATION CABLE DATA

Conductor	Solid bare copper
AWG	24
Conductor Dia(mm)	0.51
Insulation	PE
Average thickness(±0.03mm)	0.25
Min point thickness:	0.22
Insulation Dia (±0.03mm)	1.00
Twisting lay length (mm)	30 underneath
Cabling lay length (mm)	200 underneath
Jacket	PVC
Average thickness	0.5
Min point thickness	0.46
Outer Dia(±1.0mm)	5.1
Rip cord	YES
Weight Nom(kg/km)	43
Core color:	Blue-white/blue Orange-white/orange Green-white/orange Brown-white/brown





TYPICAL CABLE PERFOMANCE

Frequency (MHz)	Return loss (dB)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)	PSNEXT (dB)	ELEFXT (dB/100m)	PSELEXT (dB/100m)	Delay (ns/100m)
0.772	19.4	1.8	67	65	64	66	63	575
1.0	20.0	2.0	65.3	63.0	62.3	63.8	60.8	570
4.0	21.0	4.1	56.3	52.0	53.3	51.7	48.7	562
6.0	24.5	5.8	51.8	46.0	48.8	45.7	42.7	546.7
10.0	25.0	6.5	50.3	44.0	47.3	43.8	40.8	546.4
16.0	25.0	8.2	47.3	39.0	44.3	39.7	36.7	543
20.0	25.0	9.3	45.8	37.0	42.8	37.7	34.7	542
25.0	24.3	10.4	44.3	34.0	41.3	35.8	32.8	541.2
31.25	23.6	11.7	42.9	31.0	39.9	33.9	30.9	540.4
62.5	21.5	17	38.4	21.0	35.4	27.8	24.8	438.6
100.0	20.1	22	36.3	13.0	32.3	23.8	20.8	537.6



CAT5E UTP LAN CABLE



PRODUCTS DESCRIPTION

Application

This 4-pair Category 5e cable is tested for power Sum NEXT, ELFEXT, Delay Skew. Propagation Delay and any other criteria as specified in the emerging standard. Applications can include Vocie, ISDN, ATM155 and 622Mbps, 100Mbps TPDDI, Fast and Gigabit Ethernet, Shielding protects against EMI/RFI interference.

ELECTRICAL PERFORMANCE (AT 100MHZ)

1.0-100.OMHz lmpendance(ohms)100±15

1.0-100.0MHz Impendance delay screw(ns/100m)<45 Pair to Ground Capacitance Unbalance (PF/100m)330Max

Conductor DC resistance 20%(ohms/km)<93.8

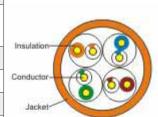
Resistance Unbalance(%)	5
Test object	jacket
Test Material	PVC
Before Tensile strength(Mpa)	≥13.8
Aging Elongation ((%)	≥100
Aging condition(C xhrs)	100X240
After Tensile strength(Mpa)	≥85% of unaged
Aging Elongation(%)	≥50% of naged
Cold bend(-20±2 C*4 hrs)	No crock



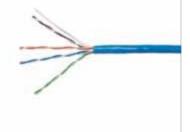
CAT5E UTP LAN CABLE

PRESENTATION CABLE DATA

Conductor	Solid bare copper
AWG	24
Conductor Dia(mm)	0.51
Insulation	PE
Average thickness(±0.03mm)	0.20
Min point thickness:	0.17
Insulation Dia (±0.03mm)	0.91
Twisting lay length (mm)	30 underneath
Cabling lay length (mm)	200 underneath
Jacket	PVC
Average thickness	0.5
Min point thickness	0.43
Outer Dia(±1.0mm)	5.1
Rip cord	YES
Weight Nom(kg/km)	32
Core color:	Blue-white/blue Orange-white/orange Green- white/orange Brown- white/brown



SFTP



TYPICAL CABLE PERFOMANCE

Frequency (MHz)	Return loss (dB)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)	PSNEXT (dB)	ELEFXT (dB/100m)	PSELEXT (dB/100m)	Delay (ns/100m)
0.772	19.4	1.8	67	65	64	66	63	575
1.0	20.0	2.0	65.3	63.0	62.3	63.8	60.8	570
4.0	21.0	4.1	56.3	52.0	53.3	51.7	48.7	562
6.0	24.5	5.8	51.8	46.0	48.8	45.7	42.7	546.7
10.0	25.0	6.5	50.3	44.0	47.3	43.8	40.8	546.4
16.0	25.0	8.2	47.3	39.0	44.3	39.7	36.7	543
20.0	25.0	9.3	45.8	37.0	42.8	37.7	34.7	542
25.0	24.3	10.4	44.3	34.0	41.3	35.8	32.8	541.2
31.25	23.6	11.7	42.9	31.0	39.9	33.9	30.9	540.4
62.5	21.5	17	38.4	21.0	35.4	27.8	24.8	438.6
100.0	20.1	22	36.3	13.0	32.3	23.8	20.8	537.6



CAT5E UTP WATER-PROOF LAN CABLE



PRODUCTS DESCRIPTION

Application

ISDN. 10BASE-T (IEEE802.3), 100BASE-T (IEEE802.3),155 Mbps ATM, 100Vg-AnyLAN (IEEE802.12), TP-PMD (ANSI X3T9.5), 16Mbps Token Ring (IEEE802.5)

Industry Standards:

ANSITIA/EIA 568-B.2.EN50173, EN50288-3-1.ISO/IEC 11801

ELECTRICAL PERFORMANCE (AT 100MHZ)

Low Frequency

Dielectric Strengths.5kVdc-2 second DC Loop Resistance:Max 19ohm/100m

Resistance Unbalance: Max 2%

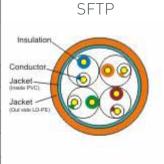
Insulation Resistance:Min 500 Mohm-km@100-500Vt Capacitance Unbalance(pair to ground):Max 1600pF/100m



CAT5E UTP WATER-PROOF LAN CABLE

PRESENTATION CABLE DATA

Conductor	Solid bare copper
AWG	24
Conductor Dia(mm)	0.51
Insulation	PE
Average thickness(±0.03mm)	0.20
Min point thickness:	0.17
Insulation Dia (±0.03mm)	0.91
Twisting lay length (mm)	30 underneath
Cabling lay length (mm)	200 underneath
Jacket	PVC(inside)+LD-PE(outside)
Average thickness	0.5
Min point thickness	0.43
Outer Dia(±1.0mm)	5.1
Rip cord	YES
Weight Nom(kg/km)	32
Core color:	Blue-white/blue Orange-white/orange Green-white/orange Brown-white/brown



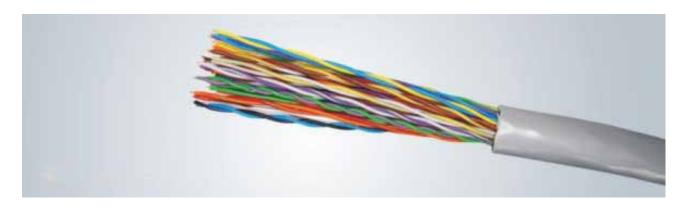


TYPICAL CABLE PERFOMANCE

Frequency (MHz)	Return loss (dB)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)
0.722	20.0	1.8	67.0	64.0
1.0	20.0	2.0	65.3	62.3
4.0	23.0	4.1	56.3	53.3
8.0	24.5	5.8	51.8	48.8
1.0	25.0	6.5	50.3	47.3
16.0	25.0	8.2	47.3	44.3
20.0	25.0	9.3	45.8	42.8
25.0	24.3	10.4	44.3	41.3
31.25	23.3	11.7	42.9	39.9
62.5	20.7	17.0	38.4	35.4
100.0	19.0	22.0	35.3	32.3



TELECOMMUNCATION CABLE



PRODUCTS DESCRIPTION

Standard Length: 305m per Box

Application:

this 2-pair Category 3 cable.

Application can include: POST.T1 and T1 Fractional ISDN basic Rate/4/16 Mbps Token ring.10Base-t(IEE 802.3).100Base-T4(fast Ethernet)

ELECTRICAL PERFORMANCE(AT 10MHZ)

1.0-16.0MHz lmpedance(ohms)16±15

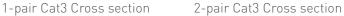
Pair to Ground Capacitance Unbalance(PF/100m)330Max

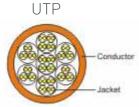
Conductor DC reesistance20%(ohms/km)≤9.38

0011ddcto1		
Resistance Unbalance(%)	5	
Test object	jacket	
Test Material	PVC	
Before Tensile strength(Mpa)	≥13.8	
Aging Elongation(%)	≥100	
Aging condition(Cxhrs)	100x240	
After Tensile strength(Mpa)	≥85% of unaged	
Aging Elongation(%)	≥50% of nagged	
Cold bend(-20±2C*4 hrs)	No crock	

PRESENTATION







Multi pairs Cross section



TELECOMMUNCATION CABLE

CABLE DATA

Conductor	Solid bare copper	
AW G	24	
Conductor Dia(mm)	0.51	
Insulation	PE	
Average thickness(±0.03mm)	0.18	
Min point thickness:	0.15	
Insulation Dia (±0.03mm)	0.91	
Twisting lay length(mm)	80underneath	
Cabling lay length(mm)	500 underneath	
Jacket	PVC	
Average thickness	0.8	
Min point thickness	0.70	
Outer Dia(±1.0mm)	12.5	
Rip cord	YES	
Core color:		
Pair 1: Pair 2: Pair 3: Pair 4:	Blue-white/blue Orange-white/orange Green-white/green Brown-white/brown	

TYPICAL CABLE PERFOMANCE

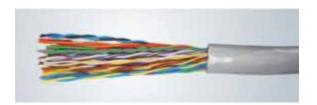
Frequency (MHz)	SRL (dB)	Attenuation (dB/i00m)	NEXT (dB)
0.772	12.0	2.2	43.0
1.0	12.0	2.6	41.0
4.0	12.0	5.6	32.0
8.0	12.0	8.5	28.0
10.0	12.0	9.7	26.0
16.0	10.0	13.1	23.0



Packaging of Products



UTP 1-pair solid cable



Cat3 UTP 25-pair solid cable



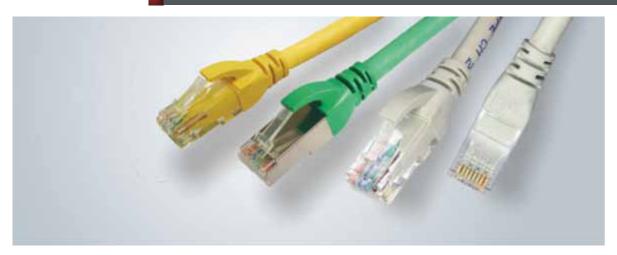
Cat3 UTP 2-pair solid cable



Cat3 UTP 50-pair solid cable



PATCH CABLE

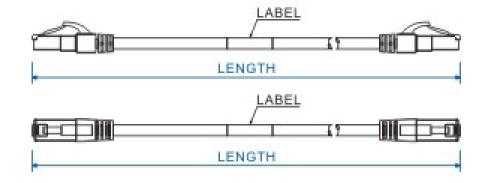


PRODUCTS DESCRIPTION

- The cable connects all the hardware destinations on a Local Area Network.
- With snagless molded strain relief, this cable's RJ45 tap is protected from being damaged during installation.
- 7 copper wires 00.20 mm (0.008"), 24 AWG
- It features 50 micron gold plated RJ45 (male-to-male) connectors which ensure clear transmission.
- Features: Gold plated connectors
- Compliance Standards: EIA/TIA-568B Category 5e
- Connector(s): 1 x RJ-45 male
- Connector(s) (Other Side): 1 x RJ-45 male
- Jacket: Polyvinylchloride(PVC). Polyethylene (PE) or Low Smoke Zero Halogen(LSZH)
- CE.RoHS compliant
- Length: 1m;i.5m/2m/3m/5m (3FT/5FT/7FT/9FT/15FT)
- RANDOM Colors Available: Gray. Black. Green. Blue. Red. Yellow. Orange. White. Purple.

Pink

PRESENTATION





PATCH CABLE

CAT7 FTP PATCH CABLE







CAT6 FTP PATCH CABLE





CAT6 UTP PATCH CABLE





CAT5E FTP PATCH CABLE





CAT5E UTP PATCH CABLE





MODULAR PLUGS

PRODUCTS DESCRIPTION

We offer modular plugs in standard configuration terminate modular cords for patching or work area application, modular plugs can be terminated to the exact cable length in order to maintain a nearer, more organized installment, the plugs terminate twist pair cable with 22-26 AWG solid all plugs contracts have 50 micron inched of good plating over nickel.



Features and benefits

- Clear color.
- Meet or exceed the requirement in the Cat 5E T568 Aand T568 B (Telecommunication requirement)
- Contacts are nickel plated, phosphor bronze with 6 to 50u" gold plate
- Meets EIA/TIA 568 Cat5e(Cat3) specification
- Contact blade: phosphor bronze
- Exclusive stagger conductors guide design reduces near end cross talk

Straight Pin for Stranded Wire



Three Prongs Pin for Solid Wire



MODULAR PLUG ACCESSORIES





MODULAR PLUGS

CAT5E UTP MODULAR PLUGS















CAT6 FTP MODULAR PLUGS









CAT6 UTP MODULAR PLUGS









CAT3 UTP PATCH CABLE











110 STYLE PATCH CABLE

PRODUCTS DESCRIPTION

The patch plugs are tested and verified to meet and exceed the connecting hard performance requirement. They are used in a cross connect field to provide modularity and quick termination to connection blocks or as an interconnection method.









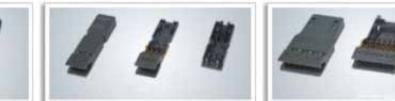


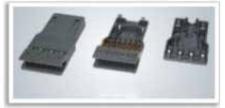
Features and benefits

- Meet or exceed attenuations and Category 5E specification for patch cables
- Provide a system solution for patching to the connecting block
- It has a sturdy reinforced design to hold up under punch down termination
- It is economical style for easy handing
- Available in 1, 2 and 4 pairs

PRODUCT DESCRIPTION







The patch plugs are tested and verified to meet and exceed the connecting hard performance requirement. They are used in a cross connect field to provide modularity and quick termination to connection blocks or as an interconnection method.

Features and benefits

- Provide a system solution for patching to the connection block
- It has a sturdy, reinforced design to hold up under punch down termination
- It is economical style for easy handing •Available in 1. 2 and 4 pairs

PLUG ROOT







CAT6A KEYSTONE JACK



PRODUCTS DESCRIPTION

TEDE 10G Augmented Category 6 UTP keystone jack delivers excellent headroom beyond 500MHz. They exceed the TIA/EIA Cat 6A Specification to support 10GBASE-T standards. Patented PCB circuits unique contact alignment does the main work in suppressing the internal magnetic coupling between pairs. Press-fit technology is applied for full-line production to prevent the potential risk of RoHS compliance. No solder, no lead. Compact figure allows to work with TEDE 10G. TEDE

10G Cat.6A keystone jack leads you to the gateway that expedites 10G over copper solution!

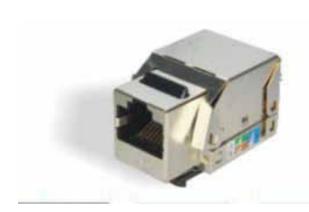
The jacks feature easy Install *110* Terminations . for easy, trouble free installations, and keystone mounting. These jacks have been extensively tested in the laboratory, and in the field. The jacks feature easy Install "110" Terminations . for easy, trouble free installations, and keystone mounting. These jacks have been extensively tested in the laboratory, and in the field.

Advantages

- 10Gb/s performance, meeting or exceeding all performance requirements of the pending Category 6A (augmented category 6) standard, including alien crosstalk.
- Hardware Certified of complying with TIA/EIA-568B.22-1 Cat 6 A by UP and 3rd Party
- Complies with EU-RoHS
- Meets FCC subpart 68 requirements Jack with a minimum 50 microinch gold plating over nickel
- Easily Portable
- Insertion life 750 cycles minimum UL listed
- Enhanced PC designed technology provides reliable performance



CAT6 FTP KEYSTONE JACK



PRODUCTS DESCRIPTION

A shielded version is available to maximum protection from EMI/RFI interference by utilizing fully shielded jacks and connecting hardware, you can reduce the effect of interference on the network data transmissions. The compact size provides high-density connectivity in the work area and telecommunications room.

Features and benefits

- Available in Cat6.T568A'B wiring scheme.meet or exceed TIA/EIA Cat6 requirements
- Shielding protects against EMI/RFI interference
- Housing: high temperature thermoplastic
- Compact jack design.8 positions and 8 conductors
- \bullet Contact: phosphor bronze phosphor bronze with 6 to $50\mu^{\prime\prime}$ gold plate
- Accept 22-26 AWG solid with a insulation diameter of 0.4-0.6mm
- Easy to be terminated.extremely low attenuation loss and high return loss
- High reliability and superior performance
- Available in different colors







CAT6 FTP KEYSTONE JACK



PRODUCTS DESCRIPTION

The new style jack provides Category 6 system performance and user-friendly installation features. A shielded is available to maximum protection from EMVRFI interference, the compact size provides highdensity connectivity in the work area and telecommunications room

Features and benefits

- Available in Cat 6. T568A, 'B wiring meet or exceed TIA'tlA Cat 6 requirements.
- Shielding protects against EMti'RFI interference
- Housing high temperature thermoplastic
- Compact jack design. 8 positions and 8 conductors
- Contact: phosphor bronze, phosphor bronze with 6 to $50\mu^{\circ}$ gold plate
- Accept 22-26 AWG solid with a insulation diameter of 0.4-0.6mm
- Easy to be terminated, low attenuation loss and high return loss
- High reliability and superaor performance
- Available in different colors





ORDER STYLE









CAT6 UTP KEYSTONE JACK



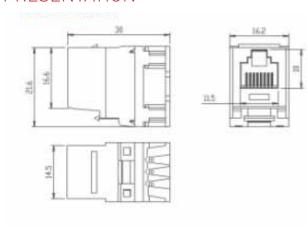




PRODUCTS DESCRIPTION

This series keystone jacks work together with high speed cables, cords and panels to provide performance beyond proposed Category 6 standards.a new feature of this series jack is a universal colored wiring label that eliminates the need for separate codes for T568A.'B wiring scheme.

PRESENTATION



Features and benefits

- Available in Cat6.T568Ai'B winng. meet or exceed TIA>'EIA Cat6 requirements
- Housing:htgh temperature thermoplastic
- Compact jack design.8 positions and 8 conductors Contact: phosphor bronze. phosphor bronze with 6to 50µ 'gold plate
- Accept 22-26 AWG solid with a insulation diameter of 0.4-0.6mm
- Easy to be terminated.low attenuation loss and highretum loss
- High reliability and superior performance

CAT6 THROUGH COUPER KEYSTONE JACK





CAT5E FTP KEYSTONE JACK









PRODUCTS DESCRIPTION

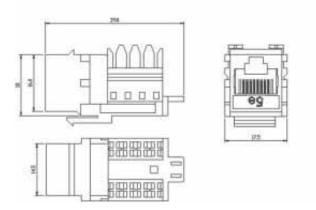
A shielded version is available to maximum protection from EMI/RFI interference by utilizing fully shielded jacks and connecting hardware.you can reduce the effects of interference on the network data transmissions. The compact size provides high-density connectivity in the work area and telecommunications room

Features and benefits

- Available in Cat5E.T568A/B wiring scheme. meet or exceed TIA/EIACat5E requirements
- Shielding protects against EMI/RFI interfer-
- Housing: high temperature thermoplastic
- Compact jack design. 8 positions and 8 conductors
- Contact: phosphor bronze, phosphor bronze with 6 to 50 u 'gold plate
- Accept 22-26 AWO solid with a insulation diameter of 0.4-0.6mm
- Easy to be terminated, extremely low attenuation loss and high return loss
- High reliability and superior performance
- Available in different colors

CAT5E UTP KEYSTONE JACK





PRODUCTS DESCRIPTION

Horizontal style CatSE 90 degree keystone jacks.it features dual color-coded wiring label with both T568A/BA wiring pattern. Rear termination field for easy termination of a jack while installed in a wall plate.surface mount boxer and blank patch panels for a wide variety of Applications

Features and benefits

- Available in Cat SE. T568A/B wiring scheme, meet or exceed TIA/EIACat5E requirements
- Housing: high temperature thermoplastic
- Compact jack design. 8 positions and 8 conductors
- Contact: phosphor bronze, phosphor bronze with 6to 50 u gold plate

 • Accept 22-26 AWG solid with a insulation
- diameter of 0.4-0.6mm
- Easy to be terminated.extremely low attenuation loss and high return loss
- High reliability and superior performance
- Available in different colors



CAT5E UTP KEYSTONE JACK











PRODUCTS DESCRIPTION

This is a tooless style jack.meaning that a 110 punch down tool is not required to connect the wires.this feature insures a reliable termination the very fast time.it features dual color-coded wiring labels with both 568 A and 568 B winng pattern. A rear termination field for easy termination of a jack while installed in a v/all plate, surface mount boxes.and blank patch panels for a wide variety of Applications.

Features and benefits

- Available in Cat5e.T568Aand T568B wiring. meeting every cabling requirements
- Housing: high temperature thermoptastic
- Compact jack design.8 positions and 8 conductors
- Contact:phosphor bronze.phosphor bronze with 6to SO uʻgold plate
- Accept 22-26 AWG solid with a insulation diameter of 0.4-0.6mm
- Easy to be installed low attenuation loss and high return loss
- High reliability and supenor performance
- Available in different colors



CAT6 & CAT5E OTHER STYLE

CAT6 OTHER STYLE



















CAT5E OTHER STYLE













TELECOMMUNICATION KEYSTONE JACK

TELECOMMUNICATION KEYSTONE JACK







TELECOMMUNICATION KEYSTONE JACK









BLANK PATCH PANEL







DESCRIPTION

The ultimate flexibility of our system is due to use of Cat6 & Cat5e Patch Panels. these panels use the same modules indentical to outlet to the closet end of the cable. This eliminates winning errors and provides better usability of materials with the ease of installation. Our patch panels allows re-arrangement of the modules in the patch panel without disconnecting and re-terminating the cables

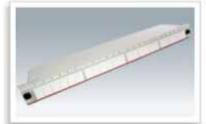
CHARACTERISTICS

- Usable bandwith of up to 300MHz guaranties extra overhead beyond Category B standart
- Unmatched transmission performance supporting data rates of up to 4.8Gbs; provising the honest bit rate for UTP cabling in the industry
- Modules holes are trully backward compatible with CAT5e Module/Jack to protect cabling investment
- Easy to read 568A/B color scheme prevents instalatn errors

- Panels are available in 24-port configuration for optimization of rack installation
- Robust and istaller-friendly design to reduce installation and operating costs
- Powder paint finish
- Compatible with standart 19 in. equipment racks, cabinets or wall mount brackets
- Integrated rear cable management bar to accomodate any istallation need
- Velcro ties included to facilitate proper and secured installation of high performance CAT6 cables
- Large front labeling space facilitatinng custom port identification
- Enclosure type: Modular
 Number of Ports: 24 APPLICATIONS

 Horizontal distribution or equipment terminations in Telecommunications Rooms OR Interconnections terminations is consolidation points













For any questions or suggestions please contact our Customer Service. E-mail: info@titanaccs.com



CAT6 PATCH PANEL

24-PORT PATCH PANEL



PRODUCTS DESCRIPTION

The patch panel is a 19 inch rack mountable RJ45 jack • Phosphor bronze with 6-50 micro inches gold plated panels. Each panel has cutouts that accept virtually as snap-in jacks .the kits includes the new icon labels with plastic holders that you mount on the front of the panels for easy port identification Blank anodized panels can be mounted directly to an EIA standard 19 inch relay back or cabinets

Features and benefits

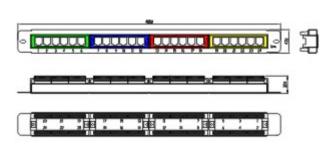
- Design to mount to any standard 19" rack or cabinet
- 24-port Cat 6 shielded Patch panel
- Space saving nigh density 1U
- Black electrostatic Powder-Coated Steel: phosphor bronze with tin plating over nickel. Meet or exceed the requirement of ANSI.TIAi'EIA 568B.2.
- Use keystone >acks and keywtone inserts to configure your panel to accommodate a variety of schemes.
- Sturdy Aluminum Plate around RJ 45 Jacks
- Available with T568AiT5688 wiring pattern and meeting the requirement of Cat 5£ standard
- Color Coded TIA'EIA 56-BAi international | and S68B|AT&T standard)
- Wiring for easy installation
- Metal sheet Corrosion resistant steel
- Plastic: fire self -extinguish high impact plastic

CAT 6 UTP 24-PORT PATCH PANEL



PRODUCTS DESCRIPTION

The patch panel is a 19 inch rack mountable RJ45 jack • Design to mount to any standard 19" rack or cabinet panels. Each panel has cutouts that accept virtually all snap-in jacks, the kits includes the new icon labels with plastic holders that you mount on the front of the panel for easy port identification . Blank anodized panels can be mounted directly for easy port identification . Blank anodized panels can be mounted direct- • Use keystone jacks and keystone inserts to configly to an EIA standard 19 inch relay back or cabinets



Features and benefits

- 24-port Cat 6 Patch panel
- Space saving .high-density 1U
- Black electrostatic Powder-Coated Steel: phosphor bronze with tin plating over nickel. Meet or exceed the requirement of ANSI/TIA/EIA 568B.2.
- ure your panel to accommodate a variety of schemes.
- Sturdy Aluminum Plate around RJ45 Jacks
- Phosphor bronze with 6-50 micro inches gold plated
- Available with T568A'T568B wiring pattern and meeting the

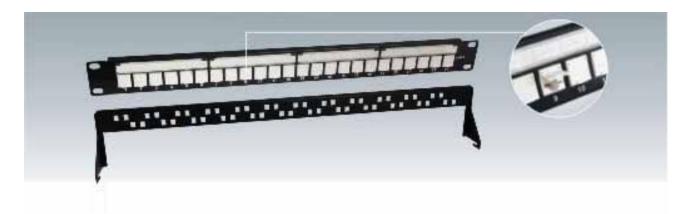
requirement of Cat 6 standard

- Color Coded TIA/EIA 568A(internahonal) and 568B(AT&T standard) wiring for easy installation
- Termination accepts 22.24 26 AWG (0.64, 0.5 and 0.4) solid wires
- Metal sheet: Corrosion resistant steel
- Plastic: fire self -extinguish high impact plastic



CAT6 PATCH PANEL

CAT6 UTP PATCH PANEL









CAT5E PATCH PANEL

CAT5E FTP 24-PORT PATCH PANEL



PRODUCTS DESCRIPTION

The patch panel is a 19 inch rack mountable RJ45 lack panels. Each panel has cutouts that accept virtually as snap-in jacks the kits includes the new icon labels with plastic holders that you mount on the front of the panels for easy port identification. Blank anodized panels can be mounted directly to an EIA standard 19 inch relay back or cabinets

Features and benefits

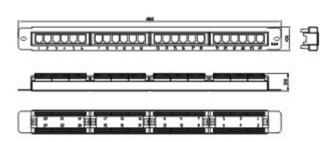
- Design to mount to any standard 19" rac or cabinet
- 24-port Cat 5E shielded Patch panel
- Space saving high density 1U
- Black electrostatic Powder-Coated Steel: phosphor bronze with tin plating over nickel. Meet or exceed the requirement of ANSI/TIA/EIA 568B .2 .
- Use keystone jacks and keywtone inserts to configure your panel to accommodate a variety of schemes.
- Sturdy Aluminum Plate around RJ 45 Jacks
 Phosphor bronze with 6-50 micro inches gold plated
- Available with T568A/T566B wiring pattern and meeting the requirement of Cat 5E standard
- Color Coded TIA/EIA 568A(international) and 5688/ AT&T standard)
- Wiring for easy installation
- Metal sheel Corrosion resistant steel
- Plastic: fire self -extinguish high impact plastic

CAT 5E UTP 24-PORT PATCH PANEL



PRODUCTS DESCRIPTION

The patch panel is a 19 inch rack mountable RJ45 jack • Design to mount to any standard 19" rack or cabinet panels. Each panel has cutouts that accept virtually as snap-in jacks, the kits includes the new icon labels with plastic holders that you mount on the front of the • Black Electrostatic Powder-Coated Steel: phosphor panels for easy port identification. Blank anodized panels can be mounted directly for easy port identification . Blank anodized panels can be mounted direct- • Use keystone jacks and keywtone inserts to configly to an EIA standard 19 inch relay back or cabinets



Features and benefits

- 24-port Cat 5e unshielded Patch panel
- Space saving, high-density 1U
- bronze with tin plating over nickel. Meet or exceed the requirement of ANSI/TIA/EIA 568B.2.
- ure your panel to accommodate a variety of schemes.
- Sturdy Aluminum Plate around RJ 45 Jacks
- Phosphor bronze with 6-50 micro inches gold plated
- Available with T568A-T568B wiring pattern and meeting the requirement of Cat 5E standard
- Color Coded TIA/ElA568A(international) and 568B(AT&T standard) wiring for easy installation
- Termination accepts 22, 24 26 AWG (0.64. 0.5 and 0.4 Isolid wires
- Metal sheet: Corrosion resistant streets
- Plastic: fire self -extinguish high impact plastic



CAT5E PATCH PANEL

CAT5E UTP PATCH PANEL









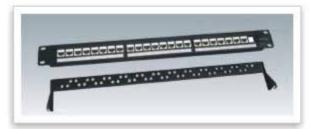




OTHER STYLE





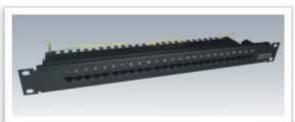


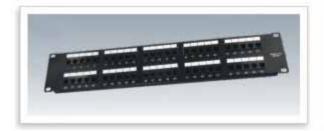


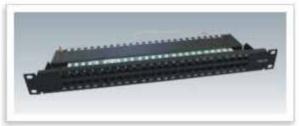


VOICE PATCH PANEL









PRODUCTS DESCRIPTION

Voice patch panel are the perfect solutions for bringing voice to your cable rack, pre-configure in 25 ports densites and designed specially for voice grade application.

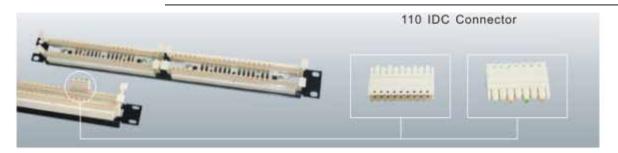
Features and benefits

- Design to mount to any standard 19" rack or cabinet
- Space saving ,high-density 1U
- Black Electrostatic Powder-Coated Steel: phosphor bronze with tin plating over nickel
- 110& krone punch down tools are available
- Phosphor bronze with 6-50 micro inches gold plated
- Color Coded TIA/EIA 568A (international) and 568B (AT&T Standard) Wiring For Easy Installation
- Metal sheet: Corrosion resistant steel
- Plastic: fire self-extinguish high impact plastic



110 WRING BLOCKS

100 PAIRS RACK MOUNT 110 WIRING BLOCK



PRODUCTS DESCRIPTION

Rack-mount 110 wiring products attach to standard 19' wide racks to create compact, adaptable 110 termination field for voice and data Panel come in 100-,200-pairs densities and termination 22-26 AWG solid copper wire.

Features and benefits

• Blocks are available in 100-200-pair for 19 inch rack mounting

110 WRING BLOCKS

PRODUCTS DESCRIPTION

Wall-mount 110 wiring blocks create compact, adaptable 110 termination field for voice and data by mounting 110 wiring bases to the wall or a backboard. Bases come in 50-. 100-or 300-pair densities. The 50-pair bases may be ordered with or without standoff legs which provide more room behind the base for cable .

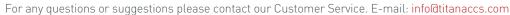
Features and benefits

- Type: 50-pairs rack mount 110 wiring block
- Available with legs or without legs to the wiring base
- Easy to adjust. easy to embed wires in
- Wiring blocks are designed to support voice and highspeed data application
- Offering a reliable and economical high -density system
- The terminal blocks accommodate 22-26 AWG with a insulation diameter of 0.4-0.64 mm
- IDC contract material: phosphor bronze with tin plating over nickel
- Available with T568 A .T568 B wiring pattern











50 pairs with legs(Removable)



CABLE MANAGEMENT



PRODUCTS DESCRIPTION

The horizontal cable management can be used with all patch panels.rack and cabinet mount products. It mounts on standard 19* racks or cabinets and provided a clean, beautiful and simple means of organizing from small to large bundles of cables and patch cord.

Features and benefits

- Feature: Standard EIA 19" rack and Cabinet mount
- Management improves the look of a closet or workstation, it is an essential element for easy adds, moves or changes. It is also crucial to maintaining cable integrity by Ensuring resisted steel and ABS
- The panel is configured with 12 rings
- Color: black anodized
- Custom-made cable management is acceptable













UK STYLE FACEPLATE



PRODUCTS DESCRIPTION

The v/all plate is made from high-impact ABS plastic, making for years of durable use. Each delivers high speed of for all your high-speed applications to the desktop. Perfectly blends into the decor of your home or office. Protects and hides your network connections. Accepts all keystone inserts, standard 110 type IDC termination makes installation fast and easy.

Features and benefits

- One.two.four and six ports
- Designed for for Cat 5e or Cat 6 performance and meet ElA/TIAspecifica-tions
- Fit for RJ45 keystone jack outlet plate
- Packing includes the modular faceplate and two mounting screws for Installation
- Material:PC or ABS
- Color: wtiite or Ivory

UK STYLE FACEPLATE - 1PORT



UK STYLE FACEPLATE - 2PORT





US STYLE FACEPLATE



PRODUCTS DESCRIPTION

The wall plate is made from high-impact ABS plastic, making for years of durable use. Each delivers high speed of for all your high-speed applications to the desktop.







Features and benefits

- One.two.four and six ports
- Designed for for Cat Se or Cat 6 performance and meet EIA/TIA specifica-tions
- Fit for RJ45 keystone jack outlet plate
- Packing includes the modular faceplate and two mounting screws for Installation
- Material: PC or ABS
- Color:white or Ivory

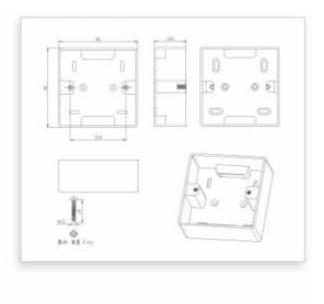
SURFACE MOUNT BOXES

Mount boxes





Presentation





SURFACE MOUNT BOXES & CONNECTION BOX

SURFACE MOUNT BOXES

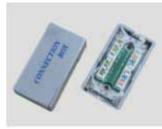








CONNECTION BOX



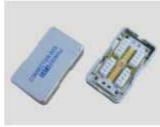
CAT5e FTF

- Shielded/Argentine color
- Krone IDC block with colored lable
- Size: 66*33*26mm



CAT5e UTP

- Un-shielded/Black color
- Krone IDC block with colored lable
- Size: 66*36*26mm



CAT6 FTP

- Shielded/Argentine color
- Krone IDC block
- Size: 68.5*40.5*26mm



CAT6 UTP

- Un-shielded/Black color
- Krone IDC block
- Size: 84*37*23mm



TOOLS

CRIMPING / PUNCH / INSERTION / STRIPPING TOOL































TOOLS

CRIMPING / PUNCH / INSERTION / STRIPPING TOOL

