

HO/EPA/780504/22
July 13, 2022

M/s. Optronics Trading LLC
P.O Box. 181775
Dubai, UAE

APPROVAL OF MATERIAL FOR FTTH SYSTEM - OPTRONICS TRADING

Dear Mr. Suregh Sudhaman

Reference is made to your application for Product Approval. We are pleased to inform that the following items are approved for deployment in FTTH Network subject to prevailing Etisalat and TDRA Guidelines. This is issued based on the technical specifications stated by the manufacturer, inspection of sample and test certificates provided. Etisalat do not undertake any responsibility towards any damage or hazard caused due to the deployment of these products

Sl. No	EPA No	Product Description	Supplier	Manufacturer
1	780504-1	CAT6 U/UTP cable	Optronics Trading	Optronics Plus
2	780504-2	CAT6 F/UTP cable	Optronics Trading	Optronics Plus
3	780504-3	CAT6A U/UTP cable	Optronics Trading	Optronics Plus
4	780504-4	CAT6 Patch cord	Optronics Trading	Optronics Plus
5	780504-5	CAT6A Patch cord	Optronics Trading	Optronics Plus
6	780504-6	CAT6 Patch panel loaded	Optronics Trading	Optronics Plus
7	780504-7	CAT6 KS Jack	Optronics Trading	Optronics Plus
8	780504-8	CAT6A KS Jack	Optronics Trading	Optronics Plus

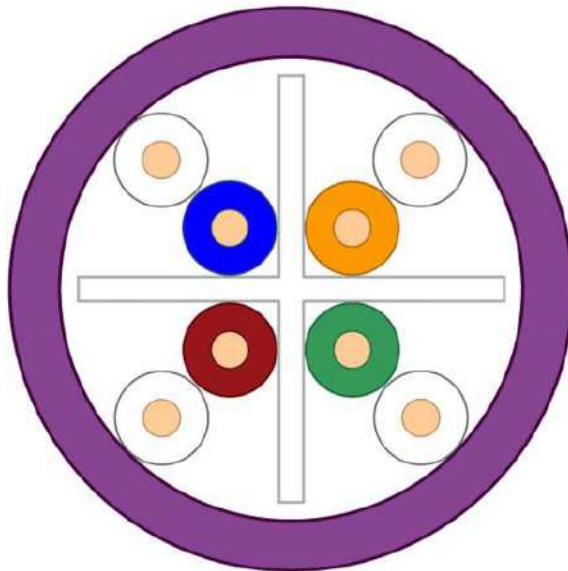
Kindly note that this approval is valid for a period of 12 months from today. Any misuse of this approval for promoting, supplying or installing counterfeit or inferior product will lead to forfeiture of this approval, legal action or both.

Stamped specification sheets are attached for your reference and further correspondence's.

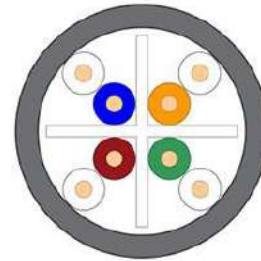
Best Regards



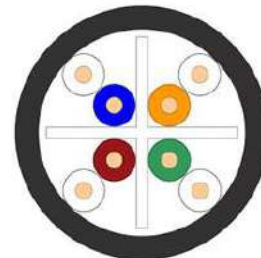
Saeed Ali Alsharhan
Director - DST/D&SHS
Etisalat Head Office



LSZH CABLE



PVC CABLE



PE CABLE



Category 6 U/UTP - Unshielded Twisted Pair Cable

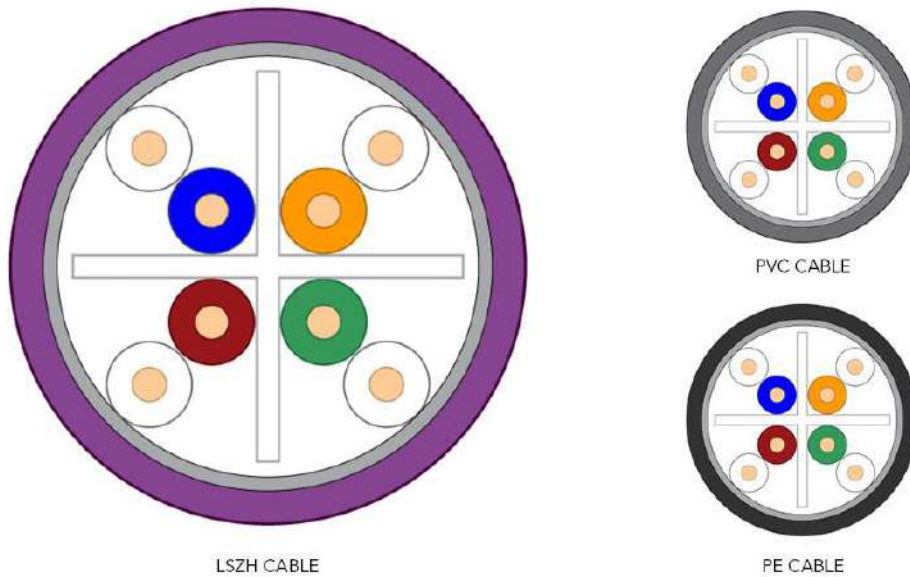
Category 6 Unshielded Twisted Pair (U/UTP) cable with 4 x 2 x 23 AWG copper wire structure fully complies with ISO/IEC 11801 and TIA/EIA 568 standards. OptronicsPlus Cat6 U/UTP cable exceeds Cat6/Class E performance requirements and supports 10-BASE-T, 100-BASE-TX and 1000Base-T applications. It is available with LSZH, PVC or PE outer jacket.

Features

- 23 AWG conductors
- Exceeds Cat6 performance requirements
- ISO/IEC 11801 and TIA/EIA568 compliant
- Available with LSZH, PVC or PE outer jacket
- Supplied in 305m boxes or 500m reels
- Printed metre marks

Applications

- Cat6/Class E up to 250Mhz applications
- 10BASE-T, 100BASE-TX, 1000Base-T applications
- Horizontal network installations
- Backwards compatible with Category 5e distribution systems



Category 6 F/UTP - Foiled Unshielded Twisted Pair Cable

Category 6 Foiled Unshielded Twisted Pair (F/UTP) cable with 4 x 2 x 23 AWG copper wire structure fully complies with ISO/IEC and TIA/EIA 568 standards. An aluminum tape is used to shield all 4 pairs and this gives a screened protection against external interference such as EMI. OptronicsPlus Cat6 F/UTP cable exceeds Cat6/Class E performance requirements and supports 10-BASE-T, 100-BASE-TX and 1000Base-T applications. It is available with LSZH, PVC or PE outer jacket.

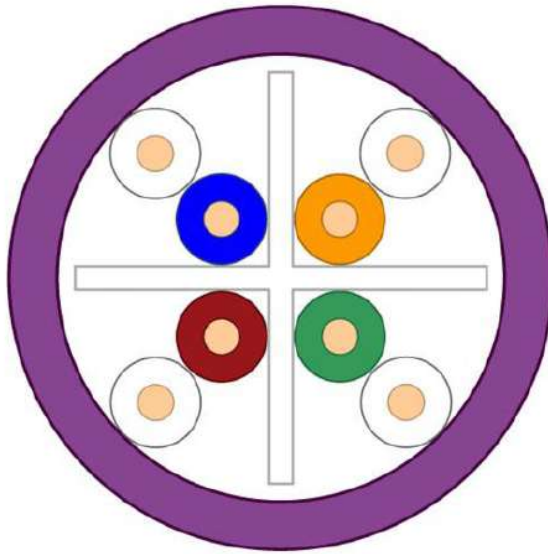
Features

- 23 AWG conductors
- Exceeds Cat6 performance requirements
- ISO/IEC 11801 and TIA/EIA568 compliant
- Available with LSZH, PVC or PE outer jacket
- Supplied in 305m boxes or 500m reels
- Printed metre marks

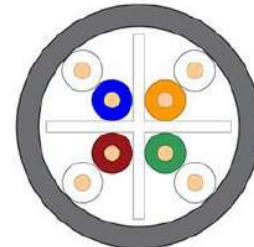


Applications

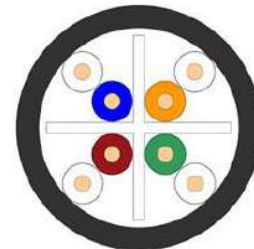
- Cat6/Class E up to 250Mhz applications
- 10BASE-T, 100BASE-TX, 1000Base-T applications
- Horizontal network installations
- Ideal for environments where heavy external interference can disrupt signal such as EMI
- Backwards compatible with Category 5e distribution systems



LSZH CABLE



PVC CABLE



PE CABLE

Category 6A U/UTP - Unshielded Twisted Pair Cable

Category 6A Unshielded Twisted Pair (U/UTP) cable with 4 x 2 x 23 AWG copper wire structure fully complies with ISO/IEC 11801 and TIA/EIA 568 standards. OptronicsPlus Cat6a U/UTP cable exceeds Cat6a/Class EA performance requirements and support 10G-BASE-T, 2G FCBASE-T, 4G FC-BASE-T and 1000Base-T applications. It is available with LSZH, PVC or PE outer jacket

Features

- 23 AWG conductors
- Exceeds Cat6A performance requirements
- ISO/IEC 11801 and TIA/EIA 568 compliant
- Available with LSZH, PVC or PE outerjacket
- Supplied in 305m boxes or 500m reels
- Printed metre marks



Applications

- Cat6a/Class EA up to 500MHz applications
- 1000Base-T, 2G FCBASE-T and 10GBASE-T Applications
- Horizontal network installations
- Backwards Compatible with Cat5e and Cat6 distributionsystems



Category 6 - U/UTP Unshielded Twisted Pair PVC Patch Cords

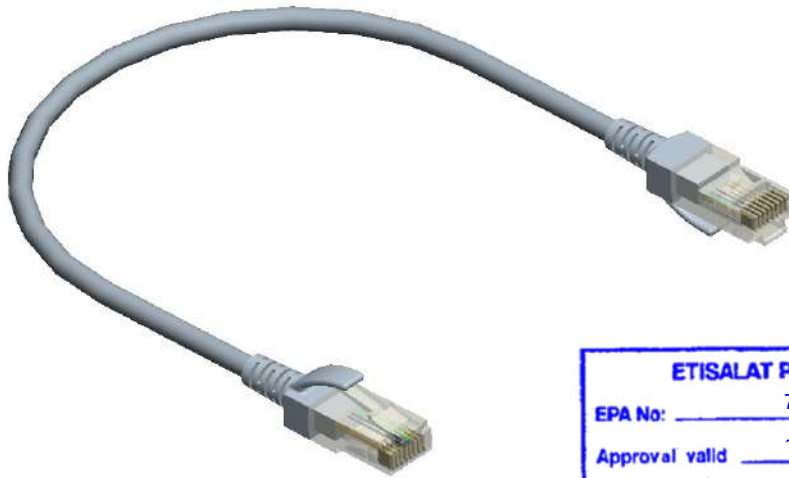
Category 6 Unshielded Twisted Pair (U/UTP) patch cords are manufactured with high quality U/UTP cable. They are 100% factory tested and fully comply with the requirements of ISO/IEC 11801 and TIA/EIA 568. OptronicsPlus Cat6 U/UTP patch cords exceed Cat6/Class E performance requirements and support 10BASE-T, 100BASE-TX and 1000Base-T applications. They are available with PVC outer jacket.

Features

- 24 AWG stranded cable
- High grade 50µ gold plated RJ45 connector
- Exceed Cat6 performance requirements
- ISO/IEC 11801 and TIA/EIA568 compliant
- RoHS, REACH and SvHC compliant
- Available in multiple colours
- Available in multiple lengths
- 100% factory tested
- PVC jacket

Applications

- Cat6/Class E up to 250Mhz applications
- 10BASE-T, 100BASE-TX, 1000Base-T applications
- Backwards compatible with Category 5e distribution systems



Category 6A U/UTP - Unshielded Twisted Pair PVC Patch Cords

Category 6A Unshielded Twisted Pair (U/UTP) patch cords are manufactured with high quality U/UTP cable. They are 100% factory tested and fully comply with the requirements of ISO/IEC 11801 and TIA/EIA 568. OptronicsPlus Cat6A U/UTP patch cords exceed Cat6A/Class EA performance requirements and support 10G-BASE-T, 2G FCBASE-T, 4G FC-BASE-T and 1000Base-T applications. They are available with PVC outer jacket.

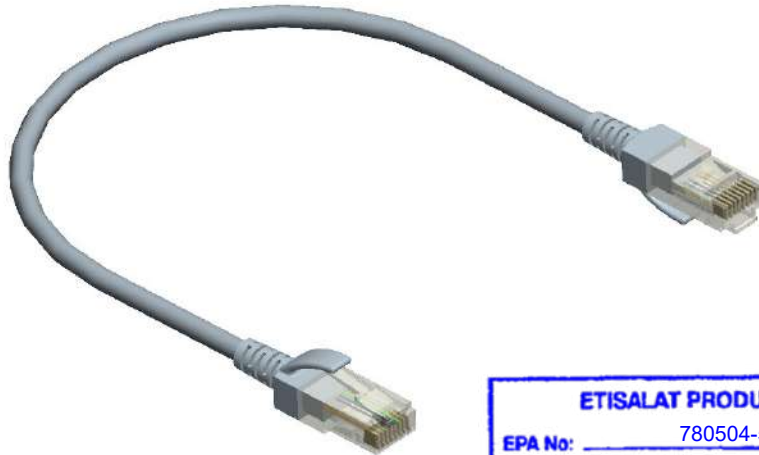
Features

- 26 AWG stranded cable
- Low profile moulded strain relief boot for use with blade servers
- High Grade 50µ gold plated RJ45 connector
- Available in multiple colours
- Available in multiple lengths
- 100% factory tested
- PVC jacket

Applications

- Cat6A/Class EA up to 500MHz applications
- 10G-BASE-T, 2G FCBASE-T, 4G FC-BASE-T and 1000Base-T applications
- Backwards compatible with Category 5e and 6 distribution systems

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Category 6A U/UTP - Unshielded Twisted Pair LSZH Patch Cords

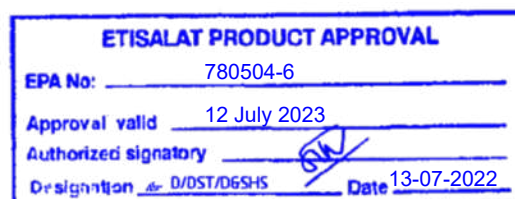
Category 6A Unshielded Twisted Pair (U/UTP) patch cords are manufactured with high quality U/UTP cable. They are 100% factory tested and fully comply with the requirements of ISO/IEC 11801 and TIA/EIA 568. OptronicsPlus Cat6A U/UTP patch cords exceed Cat6A/Class EA performance requirements and support 10G-BASE-T, 2G FCBASE-T, 4G FC-BASE-T and 1000Base-T applications. They are available with flame retardant LSZH outer jacket.

Features

- 26 AWG stranded cable
- Low profile moulded strain relief boot for use with blade servers
- High grade 50µ gold plated RJ45 connector
- Available in multiple colours
- Available in multiple lengths
- 100% factory tested
- Flame retardant LSZH jacket

Applications

- Cat6A/Class EA up to 500MHz applications
- 10G-BASE-T, 2G FCBASE-T, 4G FC-BASE-T and 1000Base-T applications
- Backwards compatible with Category 5e and 6 distribution systems



Category 6 UTP Patch Panel PCB Type

A 19" rack mountable Category 6 UTP Printed Circuit Board (PCB) patch panel that fully conforms to ISO/IEC 11801 and TIA/EIA 568 standards. It is offered in 1U with 24 ports and 2U with 48 ports. The PCB is fully sealed for in-line IDC block and extra protection and integrates a wiring diagram to assist the installer with 568A or B wiring standards.

Features

- 1U or 2U height
- 19" rack mountable
- 24 or 38 RJ45 ports
- 110 style IDC punchdown
- Numerically identified ports
- Removable label area
- Supplied with fixings and rear management bar

Applications

- Cat6/Class E up to 250Mhz applications
- 10BASE-T, 100BASE-TX, 1000Base-T applications
- Backwards compatible with category 5e distribution systems



Category 6 UTP Keystone Jack Patch Panel

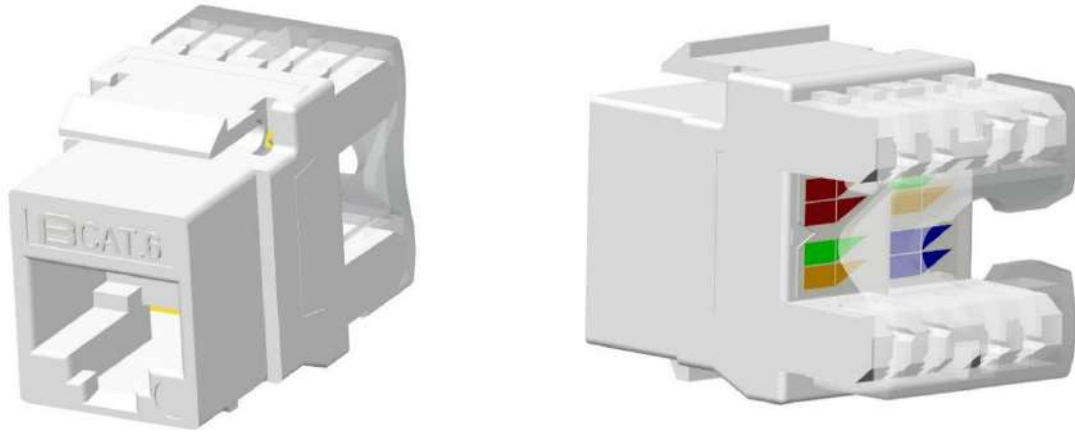
The 19" rack mountable 1U Category 6 UTP modular 24 ports keystone jack patch panel fully conforms to ISO/IEC 11801 and TIA/EIA 568 standards. It consists of individual removable RJ45 keystone jacks. Each jack has a wiring diagram to assist the installer with 568A or B wiring standards.

Features

- 1U height
- 19" rack mountable
- 24 ports using removable RJ45 keystone jacks
- 50um Gold plated on Contact Area
- Ports numerically identified
- Krone style IDC
- Supplied with fixings and rare management bar

Applications

- Cat6/Class E up to 250Mhz applications
- 10BASE-T, 100BASE-TX, 1000Base-T applications
- Backwards compatible with category 5e distribution systems



Category 6 UTP Keystone Jack

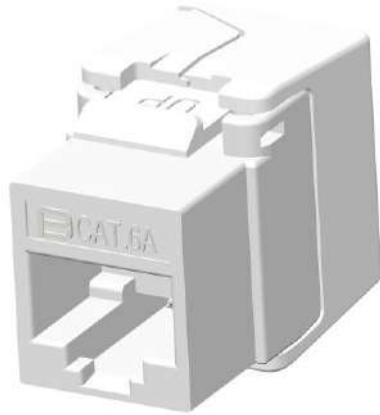
Category 6 Unshielded Twisted Pair (UTP) keystone jack fully conforms to ISO/IEC 11801 and TIA/EIA 568 standards. It is designed based on the industry standard keystone jack footprint with a 180° termination design. Its small form format makes it an ideal choice for high density applications. It is available in black or white colours, with a wiring diagram and a protection cap.

Features

- 180° termination
- Wiring diagram and conductor caps supplied
- Small form RJ45 footprint design
- IDC punch down
- Available in black or white colours
- Available with or without shutter
- Supplied in boxes of 20pcs
- 50µm gold plated on contact area

Applications

- Cat6/Class E up to 250Mhz applications
- 10BASE-T, 100BASE-TX, 1000Base-T applications
- High density applications
- Backwards compatible with category 5e distribution systems



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Category 6A Tool Free UTP Keystone Jack

Category 6A Unshielded Twisted Pair (UTP) tool free keystone jack fully conforms to ISO/IEC 11801 and TIA/EIA 568 standards. It is designed based on the industry standard keystone jack footprint with a 180° termination design. Its small form format makes it an ideal choice for high density applications. It is available in white colour, with a wiring diagram and a protection cap.

Features

- Tool-less termination
- Small form RJ-45 footprint design
- Suitable for modular patch panel installation, keystone style faceplates and floor boxes
- Integral cable strain relief
- Keyed stuffer-cap for reliable termination
- Durable construction
- 50µm gold plated on contact area

Applications

- Cat6A/Class EA up to 500MHz applications
- Backward compatible with Category 5e and 6 distribution systems
- 10GBASE-T, 2G FCBASE-T, 4G FCBASE-T and 1000BASE-T applications