HTL Ltd.®

HTL PASSIVE CONNECTIVITY SOLUTIONS
For Faster & Better Connectivity

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PRODUCT CATALOG

HFCL

HTL Ltd.®

ABOUT US

HTL Ltd is an Industry acclaimed passive components manufacturer in India, HTL Ltd's fiber and copper cabling solutions for faster & enhanced connectivity experience are the product of choice for leading Indian as well as global telecom hardware manufacturers. Today, our fiber & copper solutions help enterprises to manage their converged networks by providing plenty of bandwidth headroom for future growth.

HTL offers a complete range of fiber cable assemblies which are factory-connectorized to produce unsurpassed connectivity while our copper cable assemblies provide dependable high performance cabling infrastructure that would last long into the future. Similarly, our cabinets portfolio is helping telecom players to reimagine network hardware and cable management systems. Our entire range of products meets and exceeds the performance requirements of Central Office, Outside Plant, FTTH, LAN, security surveillance and data center cabling applications.

All of our products meet IEC, EIA/TIA, TSEC & GR326 Standards. Our products are easy to install, future ready with minimum installation and reduce time spent on sites as well as operating costs. Our products are manufactured with the best in class latest technologies to provide fast deployment, provisioning and long-term reliability thereby enabling us to be the preferred partner to build future ready high bandwidth networks for enterprises of today and tomorrow.

Located in Chennai India, our fully integrated passive components facility for design, engineering & manufacturing of an entire gamut of passive components is certified to ISO & other relevant global standards.

CERTIFIED ISO 9001 COMPANY

CERTIFIED ISO 14001 COMPANY

CERTIFIED ISO 45001 COMPANY

CERTIFIED ISO 27001 COMPANY

CERTIFIED ISO 22301 COMPANY

TL9000

MAKE IN INDIA

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DATACONNECT®
Premium Cabling Solutions for High Performance Networks

FIBER OPTIC PATCH PANEL
1U RACK MOUNT TYPE

HTL provides a variety of fiber optic patch panel/ LIU for fiber management systems (FMS) applications. FMS panels are used to provide cable interconnections between communication facilities integrating fiber splicing, fiber terminations and fiber patching with fiber cable connections together in a single unit. It can also work as a protective device to secure fiber optic connections from physical damages during operations.

PRODUCT FEATURES

- 1U sliding drawer type
- Indoor installation grade
- Powder coated CRCA panel
- Adequate cable storage space
- Front removable adapter plate
- Pre-installed with tube for fan out fibers
- Provided with pigtail for guiding fiber pigtails
- Provided with FRP clamping for rear cable entry
- Provided with ABS splice tray for splice management
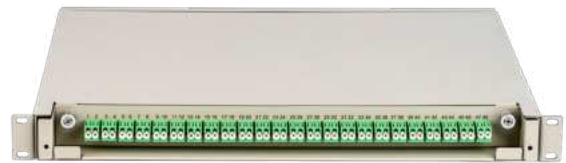
FIBER TERMINATIONS

- Fusion splicing
- Direct patching
- Distribution network
- Fiber capacity upto 48F

APPLICATIONS

- Data center
- Central office
- Premise cabling
- FTTH access networks
- Data communication networks

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	LIURSSPG2I06241A012F	1U 12F SM SC PC Simplex LIU Loaded
2	LIURSSPG2I06241A024F	1U 24F SM SC PC Simplex LIU Loaded
3	LIURLSPG2I06241A012F	1U 12F SM LC PC Simplex LIU Loaded
4	LIURLSPG2I06241A024F	1U 24F SM LC PC Simplex LIU Loaded
5	LIURFRPG2I06241A012F	1U 12F SM FC PC Simplex LIU Loaded
6	LIURFRPG2I06241A024F	1U 24F SM FC PC Simplex LIU Loaded
7	LIURSDPG2I06241A024F	1U 24F SM SC PC Duplex LIU Loaded
8	LIURLDPG2I06241A024F	1U 24F SM LC PC Duplex LIU Loaded
9	LIURLDPG2I06241A048F	1U 48F SM LC PC Duplex LIU Loaded

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FIBER OPTIC PATCH PANEL
2U RACK MOUNT TYPE

HTL provides a variety of fiber optic patch panel/ LIU for fiber management systems (FMS) applications. FMS panels are used to provide cable interconnections between communication facilities integrating fiber splicing, fiber terminations and fiber patching with fiber cable connections together in a single unit. It can also work as a protective device to secure fiber optic connections from physical damages during operations.

PRODUCT FEATURES

- 2U sliding drawer type
- Indoor installation grade
- Powder coated CRCA panel
- Adequate cable storage space
- Front removable adapter plate
- Pre-installed with tube for fan out fibers
- Provided with pigtail for guiding fiber pigtails
- Provided with FRP clamping for rear cable entry
- Provided with ABS splice tray for splice management
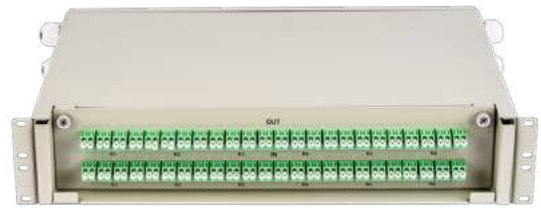
FIBER TERMINATIONS

- Fusion splicing
- Direct patching
- Distribution network
- Fiber capacity upto 96F

APPLICATIONS

- Data center
- Central office
- Premise cabling
- FTTH access networks
- Data communication networks

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	LIURSSPG2I06242A048F	2U 48F SM SC PC Simplex LIU Loaded
2	LIURLSPG2I06242A048F	2U 48F SM LC PC Simplex LIU Loaded
3	LIURFRPG2I06242A048F	2U 48F SM FC PC Simplex LIU Loaded
4	LIURFRPG2I12242A096F	2U 96F SM FC PC Simplex LIU Loaded
5	LIURSDPG2I12242A096F	2U 96F SM SC PC Duplex LIU Loaded
6	LIURLDPG2I12242A096F	2U 96F SM LC PC Duplex LIU Loaded

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FIBER MANAGEMENT SYSTEMS

FIBER OPTIC PATCH PANEL
6U RACK MOUNT TYPE

HTL provides a variety of fiber optic patch panel/ LIU for fiber management systems (FMS) applications. FMS panels are used to provide cable interconnections between communication facilities integrating fiber splicing, fiber terminations and fiber patching with fiber cable connections together in a single unit. It can also work as a protective device to secure fiber optic connections from physical damages during operations.

PRODUCT FEATURES

- 6U sliding drawer type
- Indoor installation grade
- Powder coated CRCA panel
- Adequate cable storage space
- Front removable adapter plate
- Pre-installed with tube for fan out fibers
- Provided with pigtail for guiding fiber pigtails
- Provided with FRP clamping for rear cable entry
- Provided with ABS splice tray for splice management

FIBER TERMINATIONS

- Fusion splicing
- Direct patching
- Distribution network
- Fiber capacity upto 288F

APPLICATIONS

- Data center
- Central office
- Premise cabling
- FTTH access networks
- Data communication networks

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	LIURSSPG2I12246A144F	6U 144F SM SC PC Simplex LIU Loaded
2	LIURLSPG2I12246A144F	6U 144F SM LC PC Simplex LIU Loaded
3	LIURSDPG2I12246A288F	6U 288F SM SC PC Duplex LIU Loaded
4	LIURLDPG2I12246A288F	6U 288F SM LC PC Duplex LIU Loaded

FIBER MANAGEMENT SYSTEMS

FIBER OPTIC PATCH PANEL
6U RACK MOUNT TYPE - 864F

HTL provides a variety of fiber optic patch panel/ LIU for fiber management systems (FMS) applications. FMS panels are used to provide cable interconnections between communication facilities integrating fiber splicing, fiber terminations and fiber patching with fiber cable connections together in a single unit. It can also work as a protective device to secure fiber optic connections from physical damages during operations.

PRODUCT FEATURES

- 6U sliding drawer type
- Indoor installation grade
- Powder coated CRCA panel
- Adequate cable storage space
- Front removable adapter plate
- Pre-installed with tube for fan out fibers
- Provided with pigtail for guiding fiber pigtails
- Provided with FRP clamping for rear cable entry
- Provided with ABS splice tray for splice management

FIBER TERMINATIONS

- Fusion splicing
- Direct patching
- Distribution network
- Fiber capacity upto 864F

APPLICATIONS

- High density fiber systems
- Data communication networks
- Backbone enterprise networks
- Hyperscale & Colocation Data Center
- High integration equipment and devices
- Data center & storage area network (SAN)

ORDERING DETAILS

SL. NO.	Part code	Product description
1	LIURLQPG2R12246A864F	6U 864F SM LC PC Quad LIU Loaded

PART CODE SCHEME

Replace X with the correct code to determine the correct LIU configuration

LIU - X XX X XX X XX XX X X XXXF

Type
R = Rack Mount

Adaptor Type
SS = SC Simplex
LS = LC Simplex
SD = SC Duplex
LD = LC Duplex
FS = FC Simplex Square
FD = FC Duplex Square
FR = FC Simplex Round
LQ = LC Quad
WO = Without Adaptor

Polish Type
P = PC
U = UPC
A = APC
N = Without Adaptor

Fiber Type
G2 = G652D
A1 = G657A1
A2 = G7657A2
B0 = G657B
B3 = G657B3 (R5)
G7 = G657A TEC
O1 = OM1
O2 = OM2
O3 = OM3
O4 = OM4
WO = Without Fiber

Fiber Construction
I = Individual
R = Ribbon

Fiber Count
012F = 12F
XXXF = XXF
XXXU = Unloaded

Panel Depth
A = 315
B = 300
C = 275
D = 280

Panel Height
1 = 1U
2 = 2U
4 = 4U
6 = 6U

Splice Tray Type
12 = 12 F Splice Tray
24 = 24 F Splice Tray
NA = Without Splice Tray

Pigtail Count
06 = 6 Color
08 = 8 Color
12 = 12 Color
IB = NA

FIBER MANAGEMENT SYSTEMS

FIBER PATCHING (ADAPTOR) PANELS

HTL Fiber Patching Panel are high-density termination solutions designed for optimal space efficiency. Pre-equipped with fiber adaptors, this ultra-compact patch panel provides a cost-effective approach to managing fiber optic connections without occupying significant rack space.

PRODUCT FEATURES

- Quick Latching Mechanism
- Mounts to standard EIA 19″ rack rails
- Integrated dust protection for fiber ports
- Color-coded adaptors for simple identification
- High-density design for efficient fiber management
- Supports up to 288 fibers (depending on adaptor type)
- Constructed from high-quality cold rolled steel material
- Adaptor Type: SC, LC, ST, FC (Single-mode and Multimode)
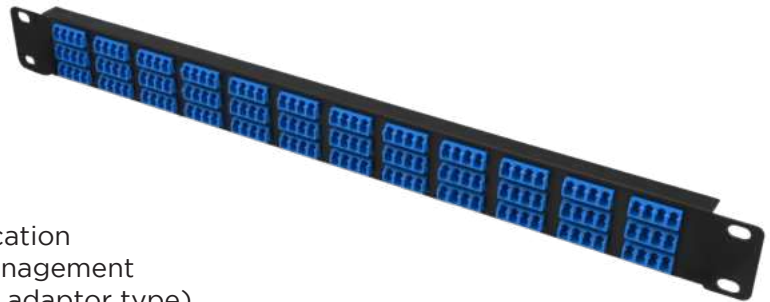
APPLICATIONS

- Data Center
- Enterprise Networks
- Storage Area Networks (SAN)

RoHS
COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	PPTRSDAG2BL360361C072	1U 72F SM SC APC Duplex Adaptor
2	PPTRLQPG2BL360361C144	1U 144F SM LC PC Quad Adaptor
3	PPTRLQPO3AQ360361C144	1U 144F MM LC PC Quad Adaptor
4	PPTRLQPG2BL720722A288	2U 288F SM LC PC Quad Adaptor
5	PPTRLQPO3AQ720722A288	2U 288F MM LC PC Quad Adaptor

PART CODE SCHEME

Replace X with the correct code to determine the correct Fiber Patching Panels

PPT - X XX X XX XX XX XXX X X XXX

Rack Mount
Rack Mount = R

Adaptor Type
SC Duplex = SD
SC Simplex = SS
LC Duplex = LD
MTP/MPO Key up/down = M1
MTP/MPO Key up/up = M2
LC Quad = LQ

Polish Type
PC = P
UPC = U
APC = A

Fiber Type
OM1 = O1
OM2 = O2
OM3 = O3
OM4 = O4
G652D = G2
G657A1 = A1
G657A2 = A2
G657B = B0
G657B3 (R5) = B3
G657A TEC = G7

Adaptor Colour
Blue = BL
Green = GN
Aqua = AQ
Erika Violet = EV
Lime = LM
Nill FO MPO = NA

Fiber Count
12F = 012
24F = 024
48F = 048
96F = 096
144F = 144
288F = 288

Panel Depth
2U-297.7 = A
2U-247.7 = B
1U-285.6 = C

Panel Height
1U = 1
2U = 2

Loaded Slot Count
No Of Slots Loaded 48 = 048
No Of Slots Loaded 36 = 036
No Of Slots Loaded 72 = 072
Unloaded = 000

Slot Count
48 SC SX/LCDX = 48
36 SC DX/LCQUAD = 36
72 SC DX/LC DUAD = 72

FIBER MANAGEMENT SYSTEMS

OPTICAL DISTRIBUTION FRAME

HTL offers a range of Fiber Distribution Management Systems (FDMS) designed to efficiently manage large volumes of optical fibers from single or multiple cables, ensuring flexibility and reliability across all access network environments, including central offices (exchange end), outdoor closures, and building premises. FDMS provides superior cable management for both low and high fiber count installations.

PRODUCT FEATURES

- Floor Mounted Rack
- Easy drop arrangement
- In accordance with TEC 87010:2007
- Dimensions (HxWxD): 2200mm X 900mm X 300mm
- Designed to handle large volumes of connections efficiently
- Modular application (pure splice, splice patch, breakout applications)
- Line & Row modules at front & back sides for double-sided operation

APPLICATIONS

- FTTx Deployments
- Central Office/Headend
- Hyperscale Data Centers
- Telecommunication Hubs

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ORDERING DETAILS

SL. NO.	Part code	Product description
1	FDMST1SSAG7I1202288F	FDMS Rack SC APC Individual Fiber G657A 288F
2	FDMST1SSAG7R1212576F	FDMS Rack SC APC Ribbon Fiber G657A 576F
3	FDMST2LCPG2I12241024	FDMS Rack LC PC Individual Fiber G652D 1024F

PART CODE SCHEME

Replace X with the correct code to determine the correct ODF configuration

FDMS - XX XX X XX X XX XX XXXF

Type
Type 1 = T1

Adaptor Type
SC Simplex = SS
LC Simplex = LS
SC Duplex = SD
LC Duplex = LD
FC Simplex Round = FR
Without Adaptor = WO

Polish Type
PC = P
UPC = U
APC = A
Without Adaptor = N

Fiber Type
G657A TEC = G7
Without Fiber = WO

Fiber Count
48F = 048F
96F = 096F
144F = 144F
288F = 288F
576F = 576F
1024F = 1024F
Without Shelf = WOSF
Other Customization = OTHC

Splice Tray Type
12F Splice Tray = 12
24F Splice Tray = 24
Without Splice Tray = NA

Pigtail Count
6 Color = 06
8 Color = 08
12 Color = 12
NA = IB

Fiber Construction
Individual = I
Ribbon = R
NA = F

FIBER ACCESS TERMINATION BOX

HTL Ltd.®

WALL MOUNT INDOOR/OUTDOOR FIBER TERMINAL BOX: 6-48F - PLASTIC

HTL Passive Connectivity Solutions wall mount fiber access terminal (FAT) box is designed to provide easy patching, storing fiber terminations for feeder cables, branch cable, direct connection and allocation. This FAT is used for both indoor & outdoor applications. This FAT can also be used to mount passive splitters and install fiber in small and medium size multi dwelling units (MDU's) for FTTx applications.

PRODUCT FEATURES

- IP-65 rated
- Ample storage for slack
- Installation: Indoor/Outdoor wall mount type
- Constructed of high quality PC/ABS material
- Available with unloaded and loaded variants
- Accommodates multimode and single mode fibers
- Accommodates 1:8 SC, 1:16 SC, 1:32 SC/LC PLC splitters
- Accommodates 24 Simplex SC and 24 Duplex LC adapters
- Single door type - can be flipped over for ease of access and maintenance
- Can be preloaded with SC, LC adapters and pre-terminated cable assemblies
- Accommodates all cables below 12mm outdoor/indoor cables and 3mm OD soft cables

APPLICATIONS

- Premise cabling
- FTTH access networks
- Data communication networks

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	FT2WSSPG2I0612A1012F	FAT Wall Mount ABS Type SC APC – 12F
2	FT2WSSPG2I0612A1024F	FAT Wall Mount ABS Type SC APC – 24F
3	FT2WSSPG2I0612A1048F	FAT Wall Mount ABS Type SC APC – 48F

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FIBER ACCESS TERMINATION BOX

HTL Ltd.®

WALL MOUNT INDOOR/OUTDOOR FIBER TERMINAL BOX: 6-96F - PLASTIC

HTL Passive Connectivity Solutions wall mount fiber access terminal (FAT) box is designed to provide easy patching, storing fiber terminations for feeder cables, branch cable, direct connection and allocation. This FAT is used for both indoor & outdoor applications. This FAT can also be used to mount passive splitters and install fiber in small and medium size multi dwelling units (MDU's) for FTTx applications.

PRODUCT FEATURES

- IP-65 rated
- Ample storage for slack
- Installation: Indoor/Outdoor wall mount type
- Constructed of high quality PC/ABS material
- Available with unloaded and loaded variants
- Accommodates multimode and single mode fibers
- Accommodates 48 Simplex SC and 48 Duplex LC adapters
- Accommodates 1:8 SC, 1:16 SC, 1:32. 1:64 SC/LC PLC splitters
- Single door type - can be flipped over for ease of access and maintenance
- Can be preloaded with SC, LC adapters and pre-terminated cable assemblies
- Accommodates all cables below 12mm outdoor/indoor cables and 3mm OD soft cables

APPLICATIONS

- Premise cabling
- FTTH access networks
- Data communication networks

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	FT2WSSPG2I0612A1012F	FAT Wall Mount ABS Type SC APC – 12F
2	FT2WSSPG2I0612A1024F	FAT Wall Mount ABS Type SC APC – 24F
3	FT2WSSPG2I0612A1048F	FAT Wall Mount ABS Type SC APC – 48F
4	FT2WSSPG2I0612A1096F	FAT Wall Mount ABS Type SC APC – 96F

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PART CODE SCHEME

Replace X with the correct code to determine the correct FAT Box configuration

FT2 - X XX X XX X XX XX XX XXXF

Type
Wall Mount = W

Adaptor Type
SC Simplex = SS
LC Simplex = LS
SC Duplex = SD
LC Duplex = LD
FC Simplex Round = FR
Without Adaptor = WO

Polish Type
PC = P
UPC = U
APC = A
Without Adaptor = A

Fiber Type
G652D = G2
G657A1 = A1
Without Fiber = WO

Fiber Construction
Individual = I
Ribbon = R
NA = F

Fiber Count
012F = 12F
024F = 24F
048F = 48F
096F = 96F

Dimension
317 X 237 X 95 ABS = A1

Splice Tray Type
12 F Splice Tray = 12
Without Splice Tray = NA

Pigtail Count
6 Color = 06
8 Color = 08
12 Color = 12
NA = IB

FIBER TERMINATION BOX

HTL Ltd.®

WALL MOUNT INDOOR/OUTDOOR FIBER TERMINAL BOX: UPTO 48F - METAL

HTL's Wall Mount Fiber Termination Box, also known as an Optical Distribution Box, is a compact yet highly efficient fiber management solution. Designed for FTTx applications, this small-sized unit ensures flexible and reliable organization of optical fibers from one or multiple cables, along with optical splitter assemblies. It provides a consistent and structured approach to fiber management, delivering exceptional performance in even the most demanding environments.

PRODUCT FEATURES

- IP-55 rated
- Ample storage for slack
- Available with unloaded and loaded variants
- Installation: Indoor/outdoor wall mount type
- Constructed of powder coated CRCA material
- Accommodates multimode and single mode fibers
- Accommodates 1:8 SC, 1:16 SC, 1:32 SC/LC PLC splitters
- Accommodates 24 Simplex SC and 24 Duplex LC adapters
- Single door type - can be flipped over for ease of access and maintenance
- Can be preloaded with SC, LC adapters and pre-terminated cable assemblies
- Accommodates all cables below 12mm outdoor/indoor cables and 3mm OD cables

APPLICATIONS

- Premise cabling
- Campus networks
- Surveillance networks
- FTTH access networks
- Data communication networks

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	FTBWSSPG2I0612A1012F	Wall Mount Metal Type SC PC SM FTB – 12F
2	FTBWSSPG2I0612A1024F	Wall Mount Metal Type SC PC SM FTB – 24F
3	FTBWLDPG2I0612A1048F	Wall Mount Metal Type LC PC Duplex SM FTB – 48F

FIBER TERMINATION BOX

HTL Ltd.®

WALL MOUNT INDOOR/OUTDOOR
FIBER TERMINAL BOX: UPTO 96F - METAL

HTL's Wall Mount Fiber Termination Box, also known as an Optical Distribution Box, is a compact yet highly efficient fiber management solution. Designed for FTTx applications, this small-sized unit ensures flexible and reliable organization of optical fibers from one or multiple cables, along with optical splitter assemblies. It provides a consistent and structured approach to fiber management, delivering exceptional performance in even the most demanding environments.

PRODUCT FEATURES

- IP-55 rated
- Ample storage for slack
- Available with unloaded and loaded variants
- Installation: Indoor/outdoor wall mount type
- Constructed of powder coated CRCA material
- Accommodates multimode and single mode fibers
- Accommodates 48 Simplex SC and 48 Duplex LC adapters
- Accommodates 1:8 SC, 1:16 SC, 1:32, 1:64 SC/LC PLC splitters
- Single door type - can be flipped over for ease of access and maintenance
- Can be preloaded with SC, LC adapters and pre-terminated cable assemblies
- Accommodates all cables below 12mm outdoor/indoor cables and 3mm OD cables

APPLICATIONS

- Premise cabling
- Campus networks
- Surveillance networks
- FTTH access networks
- Data communication networks

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	FTBWSSPG2I0612A3048F	Wall Mount Metal Type SC PC SM FTB – 48F
2	FTBWLDPG2I1212A3096F	Wall Mount Metal Type LC PC Duplex SM FTB – 96F

PART CODE SCHEME

Replace X with the correct code to determine the correct Fiber Termination Box configuration

FTB - X XX X XX X XX XX XX XXXF

Type
W = Wall Mount
D = DIN Rail Mount

Adaptor Type
SS = SC Simplex
LS = LC Simplex
SD = SC Duplex
LD = LC Duplex
FR = FC Simplex Round
WO = Without Adaptor

Polish Type
P = PC
U = UPC
A = APC
N = Without Adaptor

Fiber Type
O1 = OM1
O2 = OM2
G2 = G652D
A1 = G657A1
G7 = G657A TEC
WO = Without Fiber

Fiber Count
012F = 12F
024F = 24F
048F = 48F
096F = 96F

Dimension
A1 = Type 1
A3 = Type 2
A4 = Type 3
A5 = Type 4

Splice Tray Type
12 = 12F Splice Tray
24 = 24F Splice Tray
SH = Splice Sleeve Holder
NA = Without Splice Tray

Pigtail Count
06 = 6 Color
08 = 8 Color
12 = 12 Color
IB = NA

Fiber Construction
I = Individual
R = Ribbon
F = NA

FIBER TERMINATION BOX (FTB)

FIBER WALL TERMINATION BOX
HOME ACCESS: UPTO 2F

HTL's House Fiber Termination Box is a compact, wall mountable box designed to terminate up to two fibers at the end-user interface, specifically for fiber-to-the-home (FTTH) and fiber-to-the-desk (FTTD) applications.

PRODUCT FEATURES

- Holds up to maximum two fibers
- Wall mount and surface mount type
- Constructed of high quality ABS material
- Available in loaded and unloaded options
- Dimensions (L x W x H in mm): 90 x 90 x 20
- Compact design, small size for easy installation

APPLICATIONS

- FTTH network
- Local area network (LAN), FTTD

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ORDERING DETAILS

SL. NO.	Part code	Product description
1	FTB1SCAPC2P01X5M	HTL/2F FTB/SCAPC Adapter Loaded

FIBER TERMINATION BOX (FTB)

FIBER WALL TERMINATION BOX
HOME ACCESS: UPTO 4F

HTL's Fiber Termination Box is a compact, wall mountable box designed to terminate up to four fibers at the end-user interface, specifically for fiber-to-the-home (FTTH) and fiber-to-the-desk (FTTD) applications.

PRODUCT FEATURES

- Holds up to maximum two fibers
- Wall mount and surface mount type
- Constructed of high quality ABS material
- Available in loaded and unloaded options
- Dimensions (L x W x H in mm): 180 x 120 x 40
- Compact design, small size for easy installation

APPLICATIONS

- FTTH network
- Local area network (LAN), FTTD

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ORDERING DETAILS

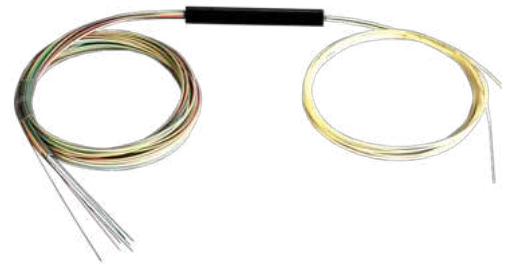| SL. NO.	Part code	Product description
1	FTBWLMOUGREY04FL	HTL/4F FTB/SM SC APC Adapter Loaded and G657A1 Pigtail

PLC OPTICAL SPLITTERS

PLC OPTICAL SPLITTER BARE TYPE 1XN & 2XN

HTL Passive Connectivity Solutions provides variety of Fiber Optic PLC (Planar lightwave circuit) Splitters for metropolitan area networks (MAN), local area networks, FTTx and other applications. PLC splitters are mainly used for optical signal coupling and distribution in passive optical network (PON) Systems. PLC has advantages of wavelength insensitivity, uniform splitting, high stability and high density.

PRODUCT FEATURES

- Wide operating wavelength from 1260-1650nm
- Compact design, small size for easy installation
- Good uniformity and low polarization dependent loss (PDL)

APPLICATIONS

- FTTx networks
- GPON and 10G-PON networks
- Point to multipoint (P2MP) networks

ORDERING DETAILS

Fiber	Part code	Product description
1X2	HT-SPPB102U	1X2 PLC Splitter Bare type without connector
1X4	HT-SPPB104U	1X4 PLC Splitter Bare type without connector
1X8	HT-SPPB108U	1X8 PLC Splitter Bare type without connector
1X16	HT-SPPB116U	1X16 PLC Splitter Bare type without connector
1X32	HT-SPPB132U	1X32 PLC Splitter Bare type without connector
1X64	HT-SPPB164U	1X64 PLC Splitter Bare type without connector
2X2	HT-SPPB202U	2X2 PLC Splitter Bare type without connector
2X4	HT-SPPB204U	2X4 PLC Splitter Bare type without connector
2X8	HT-SPPB208U	2X8 PLC Splitter Bare type without connector
2X16	HT-SPPB216U	2X16 PLC Splitter Bare type without connector
2X32	HT-SPPB232U	2X32 PLC Splitter Bare type without connector
2X64	HT-SPPB264U	2x64 PLC Splitter Bare type without connector

PLC OPTICAL SPLITTERS

HTL Ltd.®

PLC OPTICAL SPLITTER ABS BOX TYPE 1XN & 2XN

HTL Passive Connectivity Solutions provides variety of Fiber Optic PLC (Planar lightwave circuit) Splitters for metropolitan area networks (MAN), local area networks, FTTx and other applications. PLC splitters are mainly used for optical signal coupling and distribution in passive optical network (PON) Systems. PLC has advantages of wavelength insensitivity, uniform splitting, high stability and high density.

PRODUCT FEATURES

- ABS box splitter
- Wide operating wavelength from 1260-1650nm
- Compact design, small size for easy installation
- Good uniformity and low polarization dependent loss (PDL)
- ABS box splitters are suitable with indoor and outdoor wall mount box

APPLICATIONS

- Central office
- FTTx networks
- GPON and 10G-PON networks
- Point to multipoint (P2MP) networks

RoHS COMPLIANT

ORDERING DETAILS

Fiber	Part code	Product description
1X2	HT-SPPA102SCA21	1X2 PLC Splitter ABS Box type with SCAPC connector 2mm SM G652D Cable
1X4	HT-SPPA104SCA21	1X4 PLC Splitter ABS Box type with SCAPC connector 2mm SM G652D Cable
1X8	HT-SPPA108SCA21	1X8 PLC Splitter ABS Box type with SCAPC connector 2mm SM G652D Cable
1X16	HT-SPPA116SCA21	1X16 PLC Splitter ABS Box type with SCAPC connector 2mm SM G652D Cable
1X32	HT-SPPA132SCA21	1X32 PLC Splitter ABS Box type with SCAPC connector 2mm SM G652D Cable
1X64	HT-SPPA164SCA21	1X64 PLC Splitter ABS Box type with SCAPC connector 2mm SM G652D Cable
1X128	HT-SPPA1128SCA21	1X128 PLC Splitter ABS Box type with SCAPC connector 2mm SM G652D Cable
2X2	HT-SPPA202SCA21	2X2 PLC Splitter ABS Box type with SCAPC connector 2mm SM G652D Cable
2X4	HT-SPPA204SCA21	2X4 PLC Splitter ABS Box type with SCAPC connector 2mm SM G652D Cable
2X8	HT-SPPA208SCA21	2X8 PLC Splitter ABS Box type with SCAPC connector 2mm SM G652D Cable
2X16	HT-SPPA216SCA21	2X16 PLC Splitter ABS Box type with SCAPC connector 2mm SM G652D Cable
2X32	HT-SPPA232SCA21	2X32 PLC Splitter ABS Box type with SCAPC connector 2mm SM G652D Cable
2X64	HT-SPPA264SCA21	2X64 PLC Splitter ABS Box type with SCAPC connector 2mm SM G652D Cable
2X128	HT-SPPA2128SCA21	2X128 PLC Splitter ABS Box type with SCAPC connector 2mm SM G652D Cable

For SM G657A1 fiber core 2mm cable: Replace last two digits 21 with 22 in the above part codes
For SM G657A2 fiber core 2mm cable: Replace last two digits 21 with 23 in the above part codes

ORDERING DETAILS

Fiber	Part code	Product description
1X2	HT-SPPA102SCA31	1X2 PLC Splitter ABS Box type with SCAPC connector 3mm SM G652D Cable
1X4	HT-SPPA104SCA31	1X4 PLC Splitter ABS Box type with SCAPC connector 3mm SM G652D Cable
1X8	HT-SPPA108SCA31	1X8 PLC Splitter ABS Box type with SCAPC connector 3mm SM G652D Cable
1X16	HT-SPPA116SCA31	1X16 PLC Splitter ABS Box type with SCAPC connector 3mm SM G652D Cable
1X32	HT-SPPA132SCA31	1X32 PLC Splitter ABS Box type with SCAPC connector 3mm SM G652D Cable
1X64	HT-SPPA164SCA31	1X64 PLC Splitter ABS Box type with SCAPC connector 3mm SM G652D Cable
1X128	HT-SPPA1128SCA31	1X128 PLC Splitter ABS Box type with SCAPC connector 3mm SM G652D Cable
2X2	HT-SPPA202SCA31	2X2 PLC Splitter ABS Box type with SCAPC connector 3mm SM G652D Cable
2X4	HT-SPPA204SCA31	2X4 PLC Splitter ABS Box type with SCAPC connector 3mm SM G652D Cable
2X8	HT-SPPA208SCA31	2X8 PLC Splitter ABS Box type with SCAPC connector 3mm SM G652D Cable
2X16	HT-SPPA216SCA31	2X16 PLC Splitter ABS Box type with SCAPC connector 3mm SM G652D Cable
2X32	HT-SPPA232SCA31	2X32 PLC Splitter ABS Box type with SCAPC connector 3mm SM G652D Cable
2X64	HT-SPPA264SCA31	2X64 PLC Splitter ABS Box type with SCAPC connector 3mm SM G652D Cable
2X128	HT-SPPA2128SCA31	2X128 PLC Splitter ABS Box type with SCAPC connector 3mm SM G652D Cable

For SM G657A1 fiber core 3mm cable: Replace last two digits 31 with 32 in the above part codes
For SM G657A2 fiber core 3mm cable: Replace last two digits 31 with 33 in the above part codes

ORDERING DETAILS

Fiber	Part code	Product description
1X2	HT-SPPA102SCA91	1X2 PLC Splitter ABS Box type with SCAPC connector 0.9mm SM G652D Cable
1X4	HT-SPPA104SCA91	1X4 PLC Splitter ABS Box type with SCAPC connector 0.9mm SM G652D Cable
1X8	HT-SPPA108SCA91	1X8 PLC Splitter ABS Box type with SCAPC connector 0.9mm SM G652D Cable
1X16	HT-SPPA116SCA91	1X16 PLC Splitter ABS Box type with SCAPC connector 0.9mm SM G652D Cable
1X32	HT-SPPA132SCA91	1X32 PLC Splitter ABS Box type with SCAPC connector 0.9mm SM G652D Cable
1X64	HT-SPPA164SCA91	1X64 PLC Splitter ABS Box type with SCAPC connector 0.9mm SM G652D Cable
1X128	HT-SPPA1128SCA91	1X128 PLC Splitter ABS Box type with SCAPC connector 0.9mm SM G652D Cable
2X2	HT-SPPA202SCA91	2X2 PLC Splitter ABS Box type with SCAPC connector 0.9mm SM G652D Cable
2X4	HT-SPPA204SCA91	2X4 PLC Splitter ABS Box type with SCAPC connector 0.9mm SM G652D Cable
2X8	HT-SPPA208SCA91	2X8 PLC Splitter ABS Box type with SCAPC connector 0.9mm SM G652D Cable
2X16	HT-SPPA216SCA91	2X16 PLC Splitter ABS Box type with SCAPC connector 0.9mm SM G652D Cable
2X32	HT-SPPA232SCA91	2X32 PLC Splitter ABS Box type with SCAPC connector 0.9mm SM G652D Cable
2X64	HT-SPPA264SCA91	2X64 PLC Splitter ABS Box type with SCAPC connector 0.9mm SM G652D Cable
2X128	HT-SPPA2128SCA91	2X128 PLC Splitter ABS Box type with SCAPC connector 0.9mm SM G652D Cable

For SM G657A1 fiber core 0.9mm cable: Replace last two digits 91 with 92 in the above part codes
For SM G657A2 fiber core 0.9mm cable: Replace last two digits 91 with 93 in the above part codes

PLC OPTICAL SPLITTERS

HTL Ltd.®

PLC OPTICAL SPLITTER
LGX CASSETTE TYPE 1XN & 2XN

HTL Passive Connectivity Solutions provides variety of fiber optic PLC (Planar lightwave circuit) splitters for metropolitan area networks (MAN), local area networks, FTTx and other applications. PLC splitters are mainly used for optical signal coupling and distribution in passive optical network (PON) systems. PLC has advantages of wavelength insensitivity, uniform splitting, high stability and high density.

PRODUCT FEATURES

- LGX cassette box splitter
- Wide operating wavelength from 1260-1650nm
- Compact design, small size for easy installation
- Good uniformity and low polarization dependent loss (PDL)
- LGX cassette splitter are suitable with indoor and outdoor wall mount box

APPLICATIONS

- Central office
- FTTx networks
- GPON and 10G-PON networks
- Point to multipoint (P2MP) networks

RoHS COMPLIANT

ORDERING DETAILS

Fiber	Part code	Product description
1X2	HT-SPPC102SCA1	1X2 PLC Cassette Splitter Plug-in type SCAPC
1X4	HT-SPPC104SCA1	1X4 PLC Cassette Splitter Plug-in type SCAPC
1X8	HT-SPPC108SCA1	1X8 PLC Cassette Splitter Plug-in type SCAPC
1X16	HT-SPPC116SCA1	1X16 PLC Cassette Splitter Plug-in type SCAPC
1X32	HT-SPPC132SCA1	1x32 PLC Cassette Splitter Plug-in type SCAPC
1X64	HT-SPPC164SCA1	1X64 PLC Cassette Splitter Plug-in type SCAPC
2X2	HT-SPPC202SCA1	2X2 PLC Cassette Splitter Plug-in type SCAPC
2X4	HT-SPPC204SCA1	2X4 PLC Cassette Splitter Plug-in type SCAPC
2X8	HT-SPPC208SCA1	2X8 PLC Cassette Splitter Plug-in type SCAPC
2X16	HT-SPPC216SCA1	2X16 PLC Cassette Splitter Plug-in type SCAPC
2X32	HT-SPPC232SCA1	2x32 PLC Cassette Splitter Plug-in type SCAPC
2X64	HT-SPPC264SCA1	2X64 PLC Cassette Splitter Plug-in type SCAPC

PLC OPTICAL SPLITTERS

PLC OPTICAL SPLITTER
RACK MOUNT TYPE 1XN & 2XN

HTL Passive Connectivity Solutions provides variety of fiber optic PLC (Planar lightwave circuit) splitters for metropolitan area networks (MAN), local area networks, FTTx and other applications. PLC splitters are mainly used for optical signal coupling and distribution in passive optical network (PON) systems. PLC has advantages of wavelength insensitivity, uniform splitting, high stability and high density.

PRODUCT FEATURES

- 19'' rack mount type fixed splitter
- Wide operating wavelength from 1260-1650nm
- Compact design, small size for easy installation
- Good uniformity and low polarization dependent loss (PDL)
- Rack mount splitters are suitable with indoor and outdoor racks or enclosures

APPLICATIONS

- Central office
- FTTx networks
- GPON and 10G-PON networks
- Point to multipoint (P2MP) networks

RoHS
COMPLIANT

ORDERING DETAILS

Fiber	Part code	Product description
1X2	HT-SPPR102SCA1	1X2 PLC Splitter SC APC 19'' Rack Mount Type
1X4	HT-SPPR104SCA1	1X4 PLC Splitter SC APC 19'' Rack Mount Type
1X8	HT-SPPR108SCA1	1X8 PLC Splitter SC APC 19'' Rack Mount Type
1X16	HT-SPPR116SCA1	1X16 PLC Splitter SC APC 19'' Rack Mount Type
1X32	HT-SPPR132SCA1	1X32 PLC Splitter SC APC 19'' Rack Mount Type
1X64	HT-SPPR164SCA1	1X64 PLC Splitter SC APC 19'' Rack Mount Type
2X2	HT-SPPR202SCA1	2X2 PLC Splitter SC APC 19'' Rack Mount Type
2X4	HT-SPPR204SCA1	2X4 PLC Splitter SC APC 19'' Rack Mount Type
2X8	HT-SPPR208SCA1	2X8 PLC Splitter SC APC 19'' Rack Mount Type
2X16	HT-SPPR216SCA1	2X16 PLC Splitter SC APC 19'' Rack Mount Type
2X32	HT-SPPR232SCA1	2X32 PLC Splitter SC APC 19'' Rack Mount Type
2X64	HT-SPPR264SCA1	2X64 PLC Splitter SC APC 19'' Rack Mount Type

JOINT SPLICE CLOSURES

HTL Ltd.®

JOINT CLOSURE
OUTDOOR HEAT SHRINK DOME TYPE

HTL's Fiber Splice Joint Closure is compact, lightweight, and user-friendly. These enclosures are recommended for aerial, buried, and outdoor applications and are compliant with IP68 rating. They are designed for use with any cable construction (loose buffer tube, central core tube, loose fiber, ribbon) in various environments (aerial, pedestal, buried, hand-hole, manhole) and for multiple splice applications (expressed, tap-off, branch, and repair). These closures are used in outside plant networks and securely houses spliced armored optical fiber cables and fibers.

PRODUCT FEATURES

- Heat shrink seal type
- UV resistant outer dome
- All entry ports are sealed ports
- IP68 rated – water proof grade
- 5 ports with four round ports and one oval port
- Constructed of high quality Polypropylene (PP) material

APPLICATIONS

- CATV application
- FTTH access network
- Data communication network
- Outside plant (OSP) distribution network

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product Description
1	JCHSTT1IT1SHVSTD024F	Fiber Joint Closure Heat Shrink Dome Type – 24F
2	JCHSTT1IT2SHVSTD048F	Fiber Joint Closure Heat Shrink Dome Type – 48F
3	JCHSTT1IT4SHVSTD096F	Fiber Joint Closure Heat Shrink Dome Type – 96F
4	JCHSTT1IT6SHVSTD144F	Fiber Joint Closure Heat Shrink Dome Type – 144F

JOINT SPLICE CLOSURES

HTL Ltd.®

JOINT CLOSURE
OUTDOOR MECHANICAL DOME TYPE

HTL's Fiber Splice Joint Closure is compact, lightweight, and user-friendly. These enclosures are recommended for aerial, buried, and outdoor applications and are compliant with IP68 rating. They are designed for use with any cable construction (loose buffer tube, central core tube, loose fiber, ribbon) in various environments (aerial, pedestal, buried, hand-hole, manhole) and for multiple splice applications (expressed, tap-off, branch, and repair). These closures are used in outside plant networks and securely houses spliced armored optical fiber cables and fibers.

PRODUCT FEATURES

- UV resistant outer dome
- IP68 rated – water proof grade
- Mechanical seal type – reusable
- 5 ports with four round ports and one oval port
- Constructed of high quality Polypropylene (PP) material

APPLICATIONS

- CATV application
- FTTH access network
- Data communication network
- Outside plant (OSP) distribution network

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product Description
1	JCMECT1IT1SHVSTD024F	Fiber Joint Closure Mechanical Dome Type – 24F
2	JCMECT1IT2SHVSTD048F	Fiber Joint Closure Mechanical Dome Type – 48F
3	JCMECT1IT4SHVSTD096F	Fiber Joint Closure Mechanical Dome Type – 96F
4	JCMECT1IT6SHVSTD144F	Fiber Joint Closure Mechanical Dome Type – 144F

JOINT SPLICE CLOSURES

HTL Ltd.

JOINT CLOSURE
OUTDOOR INLINE/STRAIGHT TYPE

HTL's Fiber Splice Joint Closure is compact, lightweight, and user-friendly. These enclosures are recommended for aerial, buried, and outdoor applications and are compliant with IP68 rating. They are designed for use with any cable construction (loose buffer tube, central core tube, loose fiber, ribbon) in various environments (aerial, pedestal, buried, hand-hole, manhole) and for multiple splice applications (expressed, tap-off, branch, and repair). These closures are used in outside plant networks and securely houses spliced armored optical fiber cables and fibers.

PRODUCT FEATURES

- Inline straight type
- UV resistant outer box
- All entry ports are sealed ports
- IP68 rated – water proof grade
- 4 ports with two inlet and two outlet ports
- Constructed of high quality Polypropylene (PP) material

APPLICATIONS

- CATV application
- FTTH access network
- Aerial mount installation
- Data communication network
- Outside plant (OSP) distribution network

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product Description
1	JCINTT1IT1SHVSTD024F	Fiber Joint Closure Inline Type – 24F
2	JCINTT1IT2SHVSTD048F	Fiber Joint Closure Inline Type – 48F
3	JCINTT1IT4SHVSTD096F	Fiber Joint Closure Inline Type – 96F
4	JCINTT1IT6SHVSTD0144F	Fiber Joint Closure Inline Type – 144F

PART CODE SCHEME

Replace X with the correct code to determine the correct Joint Closure configuration

JC - XXX XX X XX XX X XXX XXXF

Closure Model
MEC = Mechanical
HST = Heat Shrink
INT = Inline Type

Variation
T1 = Type 1
T2 = Type 2

Fiber Type
I = Individual
R = Ribbon

Splice Tray Count
T1 = 1 Tray
T2 = 2 Trays
T4 = 4 Trays
T6 = 6 Trays

Splice Holder Type
SH = Splice Sleeve Holder
SS = Splice Sleeve Splitter
RH = Ribbon Sleeve Holder

Material Type
V = Type 1
R = Type 2

Accessories Kit
STD = Standard
10P = 10 % Excess
25P = 25 % Excess
OTH = Other Customization

Fiber Count
006F = 6F
012F = 12F
024F = 24F
048F = 48F
096F = 96F
144F = 144F

CONNECTORS & ADAPTERS

SC & LC FIELD CONNECTOR

HTL Passive Connectivity Solutions provides field installable fast connector for easy installation of fiber at customer premises. Our field connector provides superior performance with low insertion loss.

PRODUCT FEATURES

- For quick and easy installation at site
- Available in short boot and long boot
- Minimum tooling required at site for installation
- Available in single mode (SM) & multimode (MM) fiber types
- Meets and exceeds the requirements of ANSI/TIA-568.3-D and IEC standards
- Available in SC UPC, SC APC and small form factor LC UPC and LC APC type

APPLICATIONS

- FTTH home access networks
- Data communication networks

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	HT-FCSSCU90	SC UPC SM Field Connector - 900µm Boot
2	HT-FCSSCA90	SC APC SM Field Connector - 900µm Boot
3	HT-FCSSCU25	SC UPC SM Field Connector - 250µm Boot
4	HT-FCSSCA25	SC APC SM Field Connector - 250µm Boot
5	HT-FCSLCU90	LC UPC SM Field Connector - 900µm Boot
6	HT-FCSLCA90	LC APC SM Field Connector - 900µm Boot
7	HT-FCSLCU25	LC UPC SM Field Connector - 250µm Boot
8	HT-FCSLCA25	LC APC SM Field Connector - 250µm Boot

HTL Ltd.®

SC & LC ADAPTERS

HTL Passive Connectivity Solutions provides fiber optic adapters for easy installation for variety of fiber management systems, fiber access terminals, fiber distribution box and other fiber optic applications.
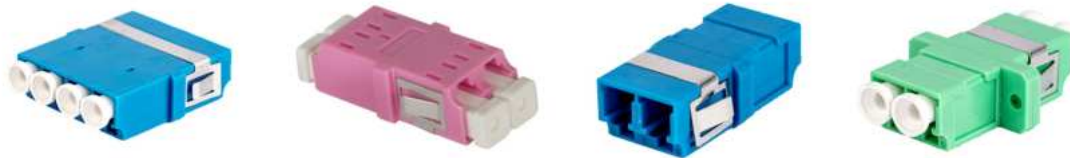
PRODUCT FEATURES

- Anti-fungus plastic material
- Features snap and flange mount
- Meets and exceeds TIA/EIA and IEC specifications
- Available in single mode (SM) & multimode (MM) fiber types
- Available in simplex, duplex (SC & LC) and quad ports (LC only)
- Available in SC PC, SC APC and small form factor LC PC and LC APC type.
- Available in zirconia ceramic for SM adapters and phosphorous bronze for MM Adapters

APPLICATIONS

- Data center
- Central office
- FTTH access networks
- Premise cabling networks
- Data communication networks

RoHS COMPLIANT

DATACONNECT®   Premium Cabling Solutions for High Performance Networks

ORDERING DETAILS

SL. NO.	Part code	Product description
1	HT-FADSSSCAFG	SC APC SM Simplex Adapter - Green
2	HT-FADSSSCUFB	SC UPC SM Simplex Adapter - Blue
3	HT-FADDSSCUFB	SC UPC SM Duplex Adapter - Blue
4	HT-FADDMSCUFE	SC UPC MM Duplex Adapter - Beige
5	HT-FADDMSCUFA	SC UPC MM Duplex Adapter - Aqua
6	HT-FADDMSCUFV	SC UPC MM Duplex Adapter – Er Violet
7	HT-FADSSLCAFG	LC APC SM Simplex Adapter - Green
8	HT-FADSSLCUFB	LC UPC SM Simplex Adapter - Blue
9	HT-FADDSLCAFG	LC APC SM Duplex Adapter - Green
10	HT-FADDSLCUFB	LC UPC SM Duplex Adapter - Blue
11	HT-FADDMLCUFE	LC UPC MM Duplex Adapter - Beige
12	HT-FADDMLCUFA	LC UPC MM Duplex Adapter - Aqua
13	HT-FADDMLCUFV	LC UPC MM Duplex Adapter – Er Violet
14	HT-FADQSLCAFG	LC APC SM Quad Adapter - Green
15	HT-FADQSLCUFB	LC UPC SM Quad Adapter - Blue
16	HT-FADQMLCUFE	LC UPC MM Quad Adapter - Beige
17	HT-FADQMLCUFA	LC UPC MM Quad Adapter - Aqua
18	HT-FADQMLCUFV	LC UPC MM Quad Adapter – Er Violet

FIBER CABLE ASSEMBLIES

FIBER-TO-THE-ANTENNA CABLE ASSEMBLY

HTL's high performance FTTA cable assembly ensures optimal performance across broad spectrum of wavelengths. These cables are specifically designed to meet performance requirements of low signal loss and high data transfer rates, to ensure reliable communication between remote radio units (RRUs) and baseband units (BBUs) in mobile networks.

PRODUCT FEATURES

- Good Repeatability
- Superior Crush Resistance
- Excellent flexibility for remote traction
- 100% factory tested for Mechanical & Optical characteristics
- Customizable Length
- IP68 Protected & UV Stabilized
- Suitable for Wireless Horizontal & Vertical cabling in Indoor & Outdoor Industrial Installations

APPLICATIONS

- Gigabit Ethernet
- Telecommunication Networks:
- Data Centres:
- Wireless Base Stations:
- 4G/5G Mobile Networks
- Broadband Internet

ORDERING DETAILS

SL. NO.	Part code	Product description
1	CDLCUDLCUA2ATBH005M	CPRI LC–LC DX G657A2 ARMOURED 8.2 MM BLACK UBR 5 M
2	CDLCUDLCUA2ATBH040M	CPRI LC–LC DX G657A2 ARMOURED 8.2 MM BLACK UBR 40 M
3	CDLCUDLCUO2ATBH050M	CPRI LC–LC DX OM2 ARMOURED 8.2 MM BLACK UBR 50 M
4	CDLCUDLCUO2ATBH100M	CPRI LC–LC DX OM2 ARMOURED 8.2 MM BLACK UBR 100 M
5	CDLCUDLCUB3ABOL040M	CPRI LC–LC DX G657B2 ARMOURED 4.8 MM ORANGE 40 M
6	CDLCUDLCUB3ABOL070M	CPRI LC–LC DX G657B2 ARMOURED 4.8 MM ORANGE 70 M
7	CULCUDLCUA2ATBH080M	CPRI 2F LC UB–LC DX G657A2 ARMOURED 8.2 MM BLACK 80M
8	CDLCPDFCPA2ATBH120M	CPRI 2F FC DX–LC DX G657A2 ARMOURED 8.2 MM BLACK 120M
9	CULCUDLCUA24TBH060M	CPRI 4F LC UB–LC DX G657A2 ARMOURED 8.2 MM BLACK 60M
10	CULCUDLCUA24TBH120M	CPRI 4F LC UB–LC DX G657A2 ARMOURED 8.2 MM BLACK 120M

DATACONNECT®   Premium Cabling Solutions for High Performance Networks

PART CODE SCHEME

Replace X with the correct code to determine the correct FTTA/CPRI Cable Assembly configuration

C - X XX X X XX X XX X X X X XXX X

Connector Type
D = Duplex
S = Simplex

Connector Name
SC = SC
ST = ST
FC = FC
LC = LC
SL = STLC

Polish Type
P = PC
U = UPC
A = APC

Connector Type
D = Duplex
S = Simplex

Connector Name
SC = SC
ST = ST
FC = FC
LC = LC

Polish Type
P = PC
U = UPC
A = APC

Fiber Type
O1 = OM1
O2 = OM2
O3 = OM3
O4 = OM4
G2 = G652D
A1 = G657A1
A2 = G657A2
B0 = G657B
B3 = G657B3
G7 = G657A TEC

Cable Type
A = Armoured
U = Unarmoured
4 = 4F Armoured

Length Unit
M = Meter
T = Ft

Cable Length
001 = 1m
002 = 2m
003 = 3m
004 = 4m
005 = 5m
006 = 6m
007 = 7m
008 = 8m
009 = 9m
010 = 10m
100 = 100m

Cable Outer Jacket
H = HDPE
L = LSZH
P = PVC
T = TPU

Cable Outer Jacket Colour
O = Orange
Y = Yellow
A = Grey
G = Green
V = Violet
U = Blue
W = White
P = Purple
T = Turquoise (Aqua)
R = Red
N = Natural
B = Black
L = Light Pink
E = 12 Colours
F = First 6 Colours
M = Second 6 Colours
N = First 4 Colours

Cable Dia
4 = 4
A = 4.5
B = 4.8
C = 5
D = 5.8
6 = 6
7 = 7
8 = 8
T = 8.2
9 = 9
10 = 10
F = 10.5
G = 7.5

FIBER CABLE ASSEMBLIES

SINGLEMODE AND MULTIMODE FIBER PATCH CORD ASSEMBLIES

HTL Passive Connectivity Solutions provides variety of fiber optic patch cord assemblies for singlemode and multimode type fiber applications

PRODUCT FEATURES

- Standard or custom assemblies
- Controlled fiber protrusion type
- Precision ferrule endface geometry
- LSZH jacket for fire safety standards
- Available in Single mode and multimode fiber cores
- Available in simplex, duplex, 2mm, 3mm cable options
- Factory polished and tested as per relevant standards
- Available in the combinations of different fiber connectors

APPLICATIONS

- Data center
- Central office
- FTTH access networks
- Premise cabling networks
- Data communication networks

ORDERING DETAILS

SL. NO.	Part code	Product description
1	PCSSCASSCAG2D2YL001M	Patch Cord SC APC – SC APC OS2 Simplex 2mm LSZH Yellow 1m
2	PCSLCASSCAG2D2YL003M	Patch Cord SC APC – SC APC OS2 Simplex 2mm LSZH Yellow 3m
3	PCDSCADSCAG2D2YL001M	Patch Cord SC APC – SC APC OS2 Duplex 2mm LSZH Yellow 1m
4	PCDSCADSCAG2D2YL003M	Patch Cord SC APC – SC APC OS2 Duplex 2mm LSZH Yellow 3m
5	PCDLCUDLCUG2D2YL001M	Patch Cord LC UPC – LC UPC OM3 Duplex 2mm LSZH Yellow 1m
6	PCDLCUDLCUG2D2YL003M	Patch Cord LC UPC – LC UPC OM3 Duplex 2mm LSZH Yellow 3m
7	PCDSCUDLCUG2D2YL001M	Patch Cord SC UPC – LC UPC OM4 Duplex 2mm LSZH Yellow 1m
8	PCDSCUDLCUG2D2YL003M	Patch Cord SC UPC – LC UPC OM5 Duplex 2mm LSZH Yellow 3m

PART CODE SCHEME

Replace X with the correct code to determine the correct fiber assembly configuration

PC - X XX X X XX X XX X X X X XXX X

Connector Type - A
Simplex = S
Duplex = D
Uniboot = U

Connector End A
SC Connector = SC
LC Connector = LC
FC Connector = FC
ST Connector = ST
SC Connector GR 326 = SG
LC Connector GR 326 = LG

Connector Finish - A
PC = P
UPC = U
APC = A

Connector Type - B
Simplex = S
Duplex = D
Uniboot = U

Connector End B
SC Connector = SC
LC Connector = LC
FC Connector = FC
ST Connector = ST
SC Connector GR 326 = SG
LC Connector GR 326 = LG

Connector Finish - A
PC = P
UPC = U
APC = A

Fiber Type
OM1 = O1
OM2 = O2
OM3 = O3
OM4 = O4
G652D = G2
G657A TEC = G7
G657A1 = A1
G657A2 = A2

Length Unit
Meter = M
Feet = F

Cable Length
1m = 001
2m = 002
3m = 003
4m = 004
5m = 005
6m = 006
7m = 007
8m = 008
9m = 009
10m = 010
100m = 100
1.5m = 1X5

Cable Grade
LSZH = L
PVC = P
TPU = T
HDPE = H

Cable Color
Yellow = Y
Orange = O
Blue = B
Turquouise (Aqua) = T
White = W
Black = K
Other Color = O

Cable Diameter
2 mm = 2
3 mm = 3

Cable Diameter
2 mm = 2
3 mm = 3

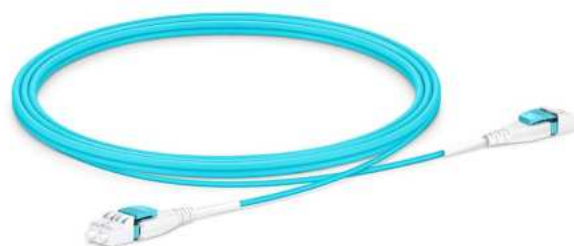## LC UNIBOOT FIBER PATCH CORD

HTL's innovative & space-saving LC Pull Tab Fiber Patch Cords, as available in Single Mode & Multi-mode fiber types, are ideal for reducing cabling congestion in high-density assembly environments such as Data Centers, Central Office & FTTx networks.

PRODUCT FEATURES

- Ultra-low loss
- Compact 2mm round cable
- Low-profile housing design
- Bend-insensitive/bend optimized fibers
- Color-coded shroud to denote performance
- Fast polarity reversal with unique rotating connector keys
- Pulling tab for easy access to connectors in high-density environments
- Available in single-mode (OS1/OS2) and multi-mode (OM1/OM2/OM3/OM4/OM5) fiber types

APPLICATIONS

- FTTx
- Central Office
- Telecommunications
- Data Centers Cabling
- Structured Cabling Networks

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	PCULCUULCUG2R2YL001M	Patch Cord LC/UPC Uniboot G652D 2mm LSZH Yellow 1m
2	PCULCUULCUG2R2YL003M	Patch Cord LC/UPC Uniboot G652D 2mm LSZH Yellow 3m
3	PCULCUULCUA1R2YL001M	Patch Cord LC/UPC Uniboot G657A1 2mm LSZH Yellow 1m
4	PCULCUULCUA1R2YL003M	Patch Cord LC/UPC Uniboot G657A1 2mm LSZH Yellow 3m
5	PCULCUULCUO1R2OL001M	Patch Cord LC/UPC Uniboot OM1 2mm LSZH Orange 1m
6	PCULCUULCUO1R2OL003M	Patch Cord LC/UPC Uniboot OM1 2mm LSZH Orange 3m
7	PCULCUULCUO2R2AL001M	Patch Cord LC/UPC Uniboot OM2 2mm LSZH Orange 1m
8	PCULCUULCUO2R2AL003M	Patch Cord LC/UPC Uniboot OM2 2mm LSZH Orange 3m
9	PCULCUULCUO3R2AL001M	Patch Cord LC/UPC Uniboot OM3 2mm LSZH Aqua 1m
10	PCULCUULCUO3R2AL003M	Patch Cord LC/UPC Uniboot OM3 2mm LSZH Aqua 3m
11	PCULCUULCUO4R2XL001M	Patch Cord LC/UPC Uniboot OM4 2mm LSZH Erika Violet 1m
12	PCULCUULCUO4R2XL003M	Patch Cord LC/UPC Uniboot OM4 2mm LSZH Erika Violet 3m

*cable length available as per customer requirements

FIBER CABLE ASSEMBLIES

HTL Ltd.®

LC UNIBOOT PULL TAB FIBER PATCH CORD

HTL's innovative & space-saving LC Uniboot Pull Tab Fiber Patch Cords, as available in Single Mode & Multimode fiber types, are ideal for reducing cabling congestion in high-density assembly environments such as Data Centers, Central Office & FTTx networks.

PRODUCT FEATURES

- Ultra-low loss
- Compact 2mm round cable
- Low-profile housing design
- Bend-insensitive/bend optimized fibers
- Color-coded shroud to denote performance
- Fast polarity reversal with unique rotating connector keys
- Pulling tab for easy access to connectors in high-density environments
- Available in single-mode (OS1/OS2) and multi-mode (OM1/OM2/OM3/OM4/OM5) fiber types

APPLICATIONS

- FTTx
- Central Office
- Telecommunications
- Data Centers Cabling
- Structured Cabling Networks

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	PCLLCULLCUG2R2YL001M	Patch Cord LC/UPC Uniboot Pull Tab G652D 2mm LSZH Yellow 1m
2	PCLLCULLCUG2R2YL003M	Patch Cord LC/UPC Uniboot Pull Tab G652D 2mm LSZH Yellow 3m
3	PCLLCULLCUA1R2YL001M	Patch Cord LC/UPC Uniboot Pull Tab G657A1 2mm LSZH Yellow 1m
4	PCLLCULLCUA1R2YL003M	Patch Cord LC/UPC Uniboot Pull Tab G657A1 2mm LSZH Yellow 3m
5	PCLLCULLCUO1R2OL001M	Patch Cord LC/UPC Uniboot Pull Tab OM1 2mm LSZH Orange 1m
6	PCLLCULLCUO1R2OL003M	Patch Cord LC/UPC Uniboot Pull Tab OM1 2mm LSZH Orange 3m
7	PCLLCULLCUO2R2AL001M	Patch Cord LC/UPC Uniboot Pull Tab OM2 2mm LSZH Orange 1m
8	PCLLCULLCUO2R2AL003M	Patch Cord LC/UPC Uniboot Pull Tab OM2 2mm LSZH Orange 3m
9	PCLLCULLCUO3R2AL001M	Patch Cord LC/UPC Uniboot Pull Tab OM3 2mm LSZH Aqua 1m
10	PCLLCULLCUO3R2AL003M	Patch Cord LC/UPC Uniboot Pull Tab OM3 2mm LSZH Aqua 3m
11	PCLLCULLCUO4R2XL001M	Patch Cord LC/UPC Uniboot Pull Tab OM4 2mm LSZH Erika Violet 1m
12	PCLLCULLCUO4R2XL003M	Patch Cord LC/UPC Uniboot Pull Tab OM4 2mm LSZH Erika Violet 3m

*cable length available as per customer requirements

PART CODE SCHEME

Replace X with the correct code to determine the correct LC Uniboot Patch Cord configuration

PC - X XX X X XX X XX X X X X XXX X

Connector Type - A Side
U = Uniboot
L = Uniboot Pull Tab

Connector Name A Side
LC = LC

Polish Type
U = UPC

Connector Type – B Side
U = Uniboot

Connector Name B Side
LC = LC

Polish Type
U = UPC

Fiber Type
G2 = G652D
A1 = G657A1
O1 = OM1
O2 = OM2
O3 = OM3
O4 = OM4
O5 = OM5

Length Unit
M = Meter
T = Ft

Cable Length
001 = 1m
002 = 2m
003 = 3m
004 = 4m
005 = 5m
006 =6m
007 = 7m
008 = 8m
009 = 9m
010 = 10m
100 = 100m
1X5 = 1.5m

Cable Outer Jacket
H = HDPE
L = LSZH
P = PVC
T = TPU

Cable Colour
Y = Yellow
O = Orange
A = Turquoise (Aqua)
X = Erika Violet
C = Lime Green

Cable Dia
2 = 2mm

Cable Type
R = 2 Fiber Round Cable

DATACONNECT®   Premium Cabling Solutions for High Performance Networks

FIBER CABLE ASSEMBLIES

SINGLE MODE AND MULTIMODE FIBER PIGTAIL ASSEMBLIES

HTL Passive Connectivity Solutions provides variety of fiber optic pigtail assemblies for singlemode and multimode type fiber applications.

PRODUCT FEATURES

- Standard or custom assemblies
- Controlled fiber protrusion type
- Precision ferrule end-face geometry
- Available in different fiber connectors
- Available in Single mode and multimode fiber cores
- Factory polished and tested as per relevant standards
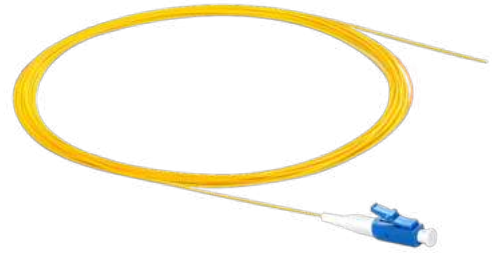
APPLICATIONS

- Data center
- Central office
- FTTH access networks
- Premise cabling networks
- Data communication networks

ORDERING DETAILS

SL. NO.	Part code	Product description
1	HT-PT1S3041001C	LC PC, Singlemode Pigtail 1.0m
2	HT-PT1S304101AC	LC PC, Singlemode Pigtail 1.5m
3	HT-PT1S3051001C	LC APC, Singlemode Pigtail 1.0m
4	HT-PT1S305101AC	LC APC, Singlemode Pigtail 1.5m
5	HT-PT2S3041001C	LC PC, Singlemode G657A1 Pigtail 1.0m

PART CODE SCHEME

Replace X with the correct code to determine the correct Fiber Pigtail configuration

P - X XX X XX X X X X XXX X

Connector Type
Simplex = S

Connector End
SC Connector = SC
LC Connector = LC
FC Connector = FC
ST Connector = ST

Connector Finish
PC = P
UPC = U
APC = A

Fiber Type
OM1 = O1
OM2 = O2
OM3 = O3
OM4 = O4
G652D = G2
G657A TEC = G7
G657A1 = A1
G657A2 = A2

Cable Type
Simplex Tight Buffered = S

Length Unit
Meter = M
Feet = F

Cable Length
001 = 1m
002 = 2m
003 = 3m
004 = 4m
005 = 5m
006 = 6m
007 = 7m
008 = 8m
009 = 9m
010 = 10m
100 = 100m
1X5 = 1.5m

Cable Grade
LSZH = L
PVC = P
TPU = T
HDPE = H

Cable Color
Yellow = Y
Orange = O
Blue = B
Turquouise (Aqua) = T
White = W
Black = K
Other Color = O

Cable Diameter
900 Q = W
2 mm = 2
3 mm = 3

MPO FIBER SOLUTIONS

MPO RACK MOUNT PANEL

HTL Passive Connectivity Solutions 1U Rack Mount HD Fiber Panel supports maximum of 144F with MPO to LC modules or cassettes. This high-density solution provides to a greater network availability ideal for Data center and other fiber backbone connectivity.

PRODUCT FEATURES

- 1U 19'' rack mount type
- Indoor installation grade
- Modular and scalable construction
- Pluggable cassettes for easy plug and play
- Cassette loaded with low loss connectors and adapters
- Available in single mode OS2 and multimode OM3, OM4, OM5 fiber

APPLICATIONS

- Plug and play systems
- High density fiber systems
- Backbone enterprise networks
- Data communication networks
- High integration equipment and devices
- Data center & storage area network (SAN)

ORDERING DETAILS

SL. NO.	Part code	Product description
1	LIUCLQPO3MPOLC1E144F	1U 144F LC QUAD - MPO/MTP Cassette Panel - Fully Loaded
2	LIUCLQPO3MPOLC2E288F	2U 288F LC QUAD - MPO/MTP Cassette Panel - Fully Loaded
3	LIUCLQPO3MPOLC4E576F	4U 576F LC QUAD - MPO/MTP Cassette Panel - Fully Loaded

PART CODE SCHEME

Replace X with the correct code to determine the correct MPO HD Rack Mount Panel configuration

LIU - X XX X XX XXX XX X X XXXX

Model
24F Cassette = C
Without Cassette Type = N

Adaptor Type
SC Duplex = SD
LC Duplex = LD
LC Quad = LQ
Without Adaptor = WO

Polish Type
PC = P
UPC = U
APC = A

Fiber Type
OM1 = O1
OM2 = O2
OM3 = O3
OM4 = O4
G652D = G2
G657A1 = A1
G657A2 = A2

Fiber Count
144F = 144F
288F = 288F
576F = 576Ft

Panel Depth
315mm = A
300mm = B
275mm = C
280mm = D
120mm = Et

Panel Height
1U = 1
2U = 2
4U = 4

Front Adaptor Type
LC = LC
SC = SC

Rear Adaptor Type
MPO = MPO
MTP = MTP

MPO FIBER SOLUTIONS

MPO-MPO CABLE ASSEMBLIES

HTL's MPO cable assembly supports high-density Data center applications. This high-density solution provides a greater network availability ideal for Data center and other fiber backbone connectivity for plug and play installations.

PRODUCT FEATURES

- Indoor installation grade
- Temperature rating 75°C
- Available in polarity A, B & C
- Round & flexible outer jacket
- Low insertion loss assemblies
- LSZH jacket for fire safety standards
- For quick and easy installation at site
- Available in standard and customized lengths
- Available in 12F and 24F fiber pre-terminated MPO assemblies
- Available in single mode OS2 and multimode OM3, OM4, OM5 fiber
- Meets and exceeds the requirements of ANSI/TIA-568.3-D and IEC specifications

APPLICATIONS

- Plug and play systems
- High density fiber systems
- Backbone enterprise networks
- Data communication networks
- High integration equipment and devices
- Data center & storage area network (SAN)

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	PCAFEAFEG2C3KAL003M	12F MPO-MPO Female SM Cable Assembly 3M – LSZH
2	PCAMAAMAG2C3KAL003M	12F MPO-MPO Male SM Cable Assembly 3M - LSZH
3	PCAFEAFEG2P3KAL003M	24F MPO-MPO Female SM Cable Assembly 3M – LSZH
4	PCAMAAMAG2P3KAL003M	24F MPO-MPO Male SM Cable Assembly 3M – LSZH
5	PCAFEAFEG2C3KAL010M	12F MPO-MPO Female SM Cable Assembly 10M – LSZH
6	PCAMAAMAG2C3KAL010M	12F MPO-MPO Male SM Cable Assembly 10M - LSZH
7	PCAFEAFEG2P3KAL010M	24F MPO-MPO Female SM Cable Assembly 10M – LSZH
8	PCAMAAMAG2P3KAL010M	24F MPO-MPO Male SM Cable Assembly 10M – LSZH

PART CODE SCHEME

Replace X with the correct code to determine the correct MPO cable assembly configuration

PC - X XX X XX XX X X X X XXX X

Connector Type - A Side
A = 12F MPO
B = 24F MPO

Connector Name A Side
FE = MPO Female
MA = MPO Male
FS = MPO Female Short Boot
MS = MPO Male Short Boot

Connector Type – B Side
A = 12F MPO
B = 24F MPO

Connector Name – B Side
FE = MPO Female
MA = MPO Male
FS = MPO Female Short Boot
MS = MPO Male Short Boot

Fiber Type
G2 = G652D
O4 = OM4

Cable Type
C = 12F MPO Cable
P = 24F MPO Cable

Length Unit
M = Meter
T = Ft

Cable Length
001 = 1m
002 = 2m
003 = 3m
004 = 4m
005 = 5m
006 = 6m
007 = 7m
008 = 8m
009 = 9m
010 = 10m
100 = 100m
1X5 = 1.5m

Cable Outer Jacket
H = HDPE
L = LSZH
P = PVC
T = TPU

Cable Colour
Y = Yellow
O = Orange
A = Turquoise (Aqua)
X = Erika Violet
C = Lime Green

Cable Dia
3K = 12F MPO 3mm

HTL Ltd.®

BREAKOUT & MULTIFIBER CABLE ASSEMBLIES

MPO breakout cable assemblies are essential for parallel optics and duplex transmission cross-connect systems, optimizing cable density between switch and server cabinets. Engineered for high-density fiber patching in data centers, they ensure optimal performance across local area networks (LAN) and enable rapid deployment of multi-port patch field connectivity for Storage Area Networks (SAN).

PRODUCT FEATURES

- Indoor installation grade
- Temperature rating 75°C
- Available in polarity A, B & C
- Round & flexible outer jacket
- Low insertion loss assemblies
- LSZH jacket for fire safety standards
- For quick and easy installation at site
- Available in standard and customized lengths
- Available in single mode OS2 and multimode OM3, OM4, OM5 fiber
- Available in 12F and 24F fiber pre-terminated MPO-LC multi fiber assemblies
- Meets and exceeds the requirements of ANSI/TIA-568.3-D and IEC specifications
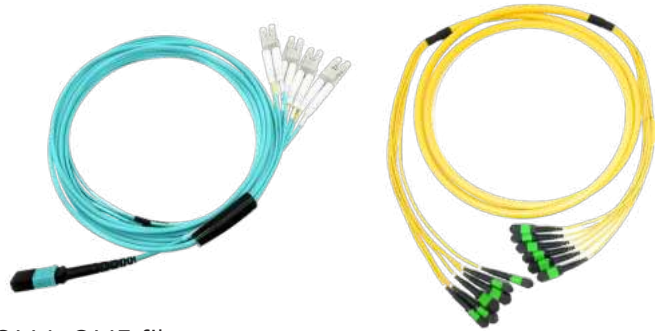
APPLICATIONS

- Plug and play systems
- High density fiber systems
- Backbone enterprise networks
- Data communication networks
- High integration equipment and devices
- Data center & storage area network (SAN)

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	PCSLCPSLCPO312AL001M	12F OM3 LC - LC Pre Term Breakout Cable Assembly 1M - LSZH
2	PCSLCPSLCPO348AL001M	48F OM3 LC - LC Pre Term Breakout Cable Assembly 1M - LSZH
3	PCSFEPSLCPO412AL001M	12F OM4 Female MPO /MTP - LC Pre Term Breakout Cable Assembly 1M - LSZH
4	PCSFEPSLCPO448AL001M	48F OM4 Female MPO /MTP - LC Pre Term Breakout Cable Assembly 1M - LSZH
5	PCSLCPSLCPO412AL001M	12F OM4 LC - LC Pre Term Breakout Cable Assembly 1M - LSZH
6	PCSLCPSLCPO448AL001M	48F OM4 LC - LC Pre Term Breakout Cable Assembly 1M - LSZH
7	PCSFEPSLCPO512GL001M	12F OM5 Female MPO /MTP - Pre Term Breakout Cable Assembly 1M - LSZH
8	PCSFEPSLCPO548GL001M	48F OM5 Female MPO /MTP - LC Pre Term Breakout Cable Assembly 1M - LSZH
9	PCSLCPSLCPO512GL001M	12F OM5 LC - LC Pre Term Breakout Cable Assembly 1M - LSZH
10	PCSLCPSLCPO548GL001M	48F OM5 LC - LC Pre Term Breakout Cable Assembly 1M - LSZH
11	PCSFEPSLCPA112GL001M	12F SM A1 Female MPO /MTP - LC Pre Term Breakout Cable Assembly 1M - LSZH
12	PCSFEPSLCPA148AL001M	48F SM A1 Female MPO /MTP - LC Pre Term Breakout Cable Assembly 1M - LSZH
13	PCSLCPSLCPA112AL001M	12F SM A1 LC - LC Pre Term Breakout Cable Assembly 1M - LSZH
14	PCSLCPSLCPA148AL001M	48F SM A1 LC - LC Pre Term Breakout Cable Assembly 1M - LSZH

PART CODE SCHEME

Replace X with the correct code to determine the correct Breakout Cable Assembly configuration

PC - X XX X X XX X XX XX X X XXX X

Connector Type - A side
Duplex = D
Simplex = S
Uniboot = U
12F MPO = A
24F MPO = B

Connector Name A side
SC = SC
ST = ST
FC = FC
LC = LC
LC SB = LS
SC SB = SB
MPO Female = FE
MPO Male = MA
MPO Female Short Boot = FS
MPO Male Short Boot = MS
Optitap Connector = OP
LC GR236 = LG
SC GR236 = SG

Polish Type
PC = P
UPC = U
APC = A

Connector Type - B Side
Duplex = D
Simplex = S
Uniboot = U
12F MPO = A
24F MPO = B

Connector Name B side
SC = SC
ST = ST
FC = FC
LC = LC
LC SB = LS
SC SB = SB
MPO Female = FE
MPO Male = MA
MPO Female Short Boot = FS
MPO Male Short Boot = MS
LC GR236 = LG
SC GR236 = SG

Polish Type
PC = P
UPC = U
APC = A

Length Unit
METER = M
FT = T

Length/Fiber Count
1M = 001
2M = 002
3M = 003
4M = 004
5M = 005
6M = 006
7M = 007
8M = 008
9M = 009
10M = 010
100M = 100
1.5M = 1X5

Cable Outer Jacket
HDPE = H
LSZH = L
PVC = P
TPU = T

Cable Color
Orange = O
Yellow = Y
Grey = T
Green = G
Violet = V
Blue = B
White = W
Purple = P
Turquoise (Aqua) = A
Red = R
Natural = N
Black = K
Light Pink = L
12 Colors = E
First 6 Colors = F
Second 6 Colors = M
First 4 Colors = N

Cable Type
12F Breakout = 12
24F Breakout = 24
48F Breakout = 48

Fiber Type
OM1 = O1
OM2 = O2
OM3 = O3
OM4 = O4
G652D = G2
G657A1 = A1
G657A2 = A2
G657B = B0
G657B3 (R5) = B3
G657A TEC = G7

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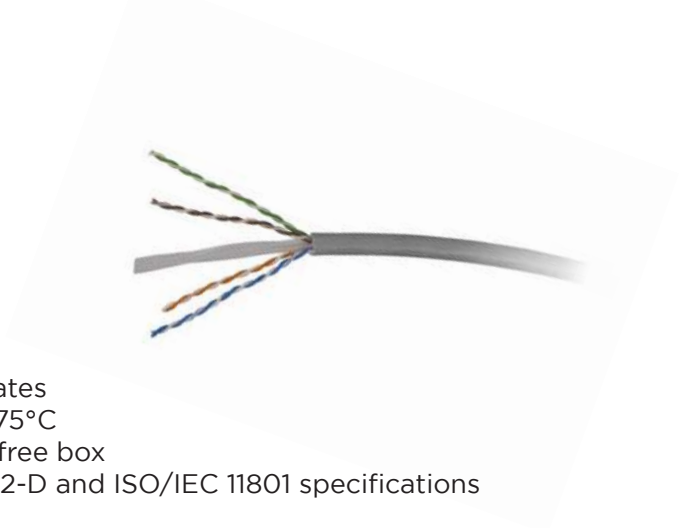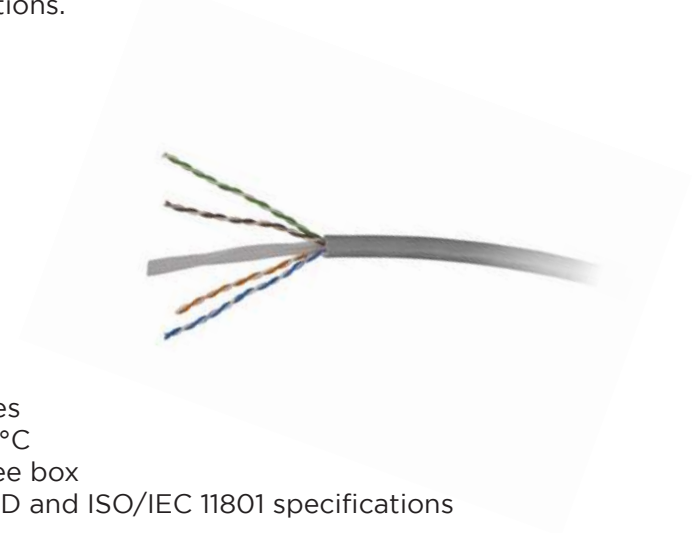
COPPER CABLES

CATEGORY 6 U/UTP 23AWG CABLE

HTL Passive Connectivity Solutions Cat6 U/UTP cable is designed to support high data rates, high bandwidth digital applications and indoor fixed installations.

PRODUCT FEATURES

- 4Pair UTP cable
- 23AWG solid bare copper
- Available in LSZH and FR PVC jacket
- Supports IEEE 802.3bt 4P PoE+ applications
- Supports 1Gbps speed data Ethernet applications
- Operates at bandwidth of 250 MHz for high data rates
- Temperature rating during operation and storage 75°C
- Packaging type: Reel of 305m in a spool in a snag free box
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

APPLICATIONS

- Premise cabling
- LAN Ethernet systems
- Data communication networks
- Surveillance camera networks

ORDERING DETAILS

SL. NO.	Part code	Product description
1	CABAUASBNSNFG305MR	CAT6 U/UTP 23AWG Cable - PVC
2	CABAUASBNSNLG305MR	CAT6 U/UTP 23AWG Cable - LSZH

COPPER CABLES

CATEGORY 6 U/UTP 24AWG CABLE

HTL Passive Connectivity Solutions Cat6 U/UTP cable is designed to support high data rates, high bandwidth digital applications and indoor fixed installations.

PRODUCT FEATURES

- 4Pair UTP cable
- 24AWG solid bare copper
- Available in LSZH and FR PVC jacket
- Supports IEEE 802.3bt 4P PoE+ applications
- Supports 1Gbps speed data Ethernet applications
- Operates at bandwidth of 250 MHz for high data rates
- Temperature rating during operation and storage 75°C
- Packaging type: Reel of 305m in a spool in a snag free box
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

APPLICATIONS

- Premise cabling
- LAN Ethernet systems
- Data communication networks
- Surveillance camera networks

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ORDERING DETAILS

SL. NO.	Part code	Product description
1	CABAUBSBNSNFG305MR	CAT6 U/UTP 24AWG Cable - PVC
2	CABAUBSBNSNLG305MR	CAT6 U/UTP 24AWG Cable - LSZH

COPPER CABLES

HTL Ltd.

CATEGORY 6 S/FTP 23AWG CABLE

HTL Passive Connectivity Solutions Cat6 S/FTP cable is designed to support high data rates, high bandwidth digital applications and provides superior electromagnetic interference protection and voice immunity for indoor shielded installations.

PRODUCT FEATURES

- 4Pair S/FTP cable
- 23AWG solid bare copper
- Available in LSZH and FR PVC jacket
- Packaging type: Reel of 500m in a spool
- Supports IEEE 802.3bt 4P PoE+ applications
- Supports 1Gbps speed data Ethernet applications
- Enhanced overall high screen coverage outer braid
- Individual foil around each pair STP cable construction
- Operates at bandwidth of 250 MHz for high data rates
- Temperature rating during operation and storage 75°C
- Provides superior electromagnetic interference (EMI) protection
- Provide superior noise immunity and coupling attenuation performance
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

APPLICATIONS

- Premise cabling
- LAN Ethernet systems
- Data communication networks
- Surveillance camera networks

ORDERING DETAILS

SL. NO.	Part code	Product description
1	CABASASB4DGFAPB305MR	CAT6 S/FTP 23AWG Cable - PE
2	CABASASB4DGFAPB305MR	CAT6 S/FTP 23AWG Cable - LSZH

DATACONNECT®   Premium Cabling Solutions for High Performance Networks

COPPER CABLES

CATEGORY 6 F/UTP 23AWG CABLE

HTL Passive Connectivity Solutions Cat6 F/UTP cable is designed to support high data rates, high bandwidth digital applications and provides superior electromagnetic interference protection for indoor shielded installations.

PRODUCT FEATURES

- 4Pair F/UTP cable
- 23AWG solid bare copper
- Available in LSZH and FR PVC jacket
- Packaging type: Reel of 500m in a spool
- Supports IEEE 802.3bt 4P PoE+ applications
- Supports 1Gbps speed data Ethernet applications
- Operates at bandwidth of 250 MHz for high data rates
- Enhanced overall Aluminum foiled F/UTP construction
- Temperature rating during operation and storage 75°C
- Provides excellent electromagnetic interference (EMI) protection
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

APPLICATIONS

- Premise cabling
- LAN Ethernet systems
- Data communication networks
- Surveillance camera networks

RoHS
COMPLIANT

ORDERING DETAILS

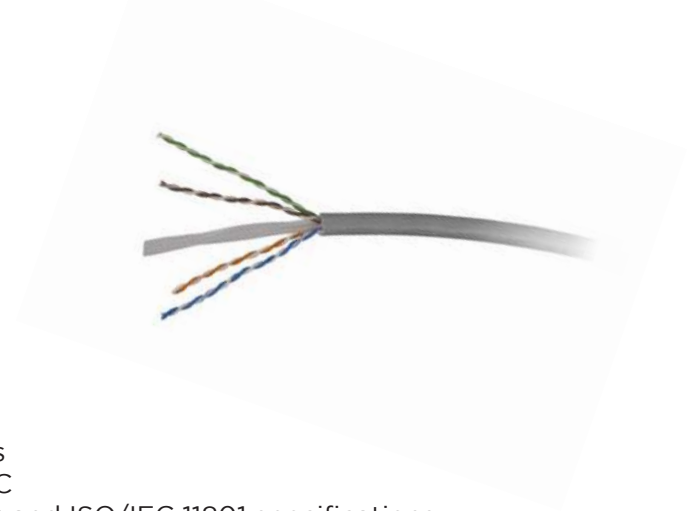| SL. NO.	Part code	Product description
1	CABAFASBNSNFG305MR	CAT6 F/UTP 23AWG Cable - PVC
2	CABAFASBNSNLG305MR	CAT6 F/UTP 23AWG Cable - LSZH

CATEGORY 6 U/UTP OUTDOOR CABLE

HTL Passive Connectivity Solutions Cat6 U/UTP cable is designed to support high data rates, high bandwidth digital applications for indoor and outdoor fixed installations.

PRODUCT FEATURES

- UV rated
- 4Pair UTP cable
- 24AWG and 23AWG solid bare copper
- Packaging type: Reel of 500m in a spool
- Supports IEEE 802.3bt 4P PoE+ applications
- Suitable or both indoor and outdoor installations
- Supports 1Gbps speed data Ethernet applications
- Available in FRPVC inner jacket and PE outer jacket
- Operates at bandwidth of 250 MHz for high data rates
- Temperature rating during operation and storage 85°C
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications
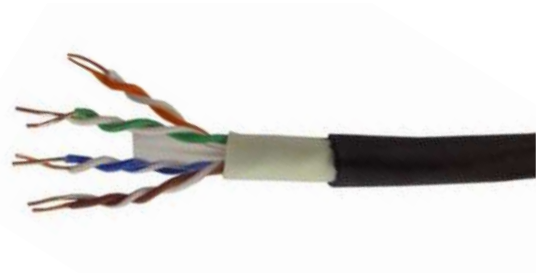
APPLICATIONS

- Premise cabling
- Outdoor installations
- LAN Ethernet systems
- Data communication networks
- Surveillance camera networks

ORDERING DETAILS

SL. NO.	Part code	Product description
1	CABAUASBNSNPG305MR	CAT6 U/UTP 23AWG Outdoor Cable – PE
2	CABAUBSBNSNPG305MR	CAT6 U/UTP 24AWG Outdoor Cable – PE

COPPER CABLES

CATEGORY 6A U/UTP CABLE

HTL Passive Connectivity Solutions Cat6A U/UTP cable is designed to support high data rates, high bandwidth digital applications and indoor fixed installations.

PRODUCT FEATURES

- 4Pair UTP cable
- 23AWG solid bare copper
- Minimizes alien crosstalk signals
- Available in LSZH and FR PVC jacket
- Packaging type: Reel of 500m in a spool
- Supports IEEE 802.3bt 4P PoE+ applications
- Supports 10Gbps speed data Ethernet applications
- Operates at bandwidth of 500 MHz for high data rates
- Temperature rating during operation and storage 75°C
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

APPLICATIONS

- Data center
- Premise cabling
- LAN Ethernet systems
- Data communication networks
- Surveillance camera networks

ORDERING DETAILS

SL. NO.	Part code	Product description
1	CABBUASBNSNFG305MR	CAT6A U/UTP 23AWG Cable - PVC
2	CABBUBSBNSNLG305MR	CAT6A U/UTP 24AWG Cable - LSZH

COPPER CABLES

CATEGORY 6A S/FTP CABLE

HTL Passive Connectivity Solutions Cat6A S/FTP cable is designed to support high data rates, high bandwidth digital applications and provides superior electromagnetic interference protection and voice immunity for indoor shielded installations.

PRODUCT FEATURES

- 4Pair S/FTP cable
- 23AWG solid bare copper
- Available in LSZH and FR PVC jacket
- Packaging type: Reel of 500m in a spool
- Supports IEEE 802.3bt 4P PoE+ applications
- Supports 10Gbps speed data Ethernet applications
- Enhanced overall high screen coverage outer braid
- Individual foil around each pair STP cable construction
- Operates at bandwidth of 500 MHz for high data rates
- Temperature rating during operation and storage 75°C
- Provides superior electromagnetic interference (EMI) protection
- Provide superior noise immunity and coupling attenuation performance
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

APPLICATIONS

- Data center
- Premise cabling
- LAN Ethernet systems
- Data communication networks
- Surveillance camera networks

RoHS
COMPLIANT

ORDERING DETAILS

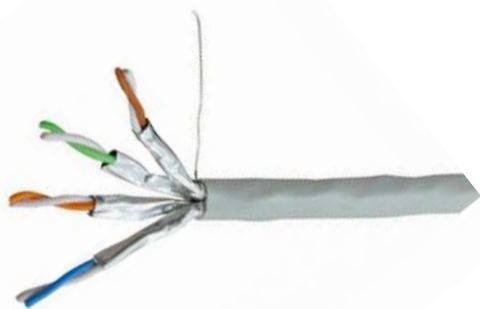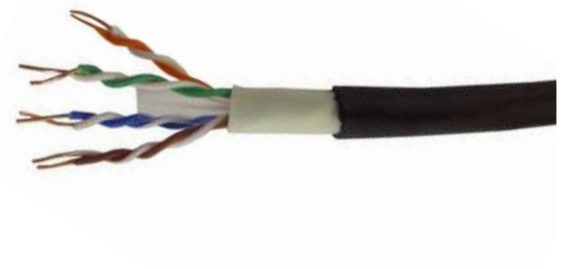| SL. NO.	Part code	Product description
1	CABBSASB4DGFAPB305MR	CAT6A S/FTP 23AWG Cable - PVC
2	CABBSBSB4DGFAPB305MR	CAT6A S/FTP 24AWG Cable - LSZH

COPPER CABLES

CATEGORY 6A F/UTP 23AWG CABLE

HTL Passive Connectivity Solutions Cat6A F/UTP cable is designed to support high data rates, high bandwidth digital applications and provides superior electromagnetic interference protection for indoor shielded installations.

PRODUCT FEATURES

- 4Pair F/UTP cable
- 23AWG solid bare copper
- Available in LSZH and FR PVC jacket
- Packaging type: Reel of 500m in a spool
- Supports IEEE 802.3bt 4P PoE+ applications
- Supports 10Gbps speed data Ethernet applications
- Operates at bandwidth of 500 MHz for high data rates
- Enhanced overall Aluminum foiled F/UTP construction
- Temperature rating during operation and storage 75°C
- Provides excellent electromagnetic interference (EMI) protection
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

APPLICATIONS

- Data center
- Premise cabling
- LAN Ethernet systems
- Data communication networks
- Surveillance camera networks

ORDERING DETAILS

SL. NO.	Part code	Product description
1	CABBFASBNSNFG305MR	CAT6A F/UTP 23AWG Cable - PVC
2	CABBFASBNSNLG305MR	CAT6A F/UTP 23AWG Cable - LSZH

COPPER CABLES

HTL Ltd.®

CATEGORY 6A U/FTP 23AWG CABLE

HTL Passive Connectivity Solutions Cat6A U/FTP cable is designed to support high data rates, high bandwidth digital applications and provides superior electromagnetic interference protection for indoor shielded installations.

PRODUCT FEATURES

- 4Pair U/FTP cable
- 23AWG solid bare copper
- Available in LSZH and FR PVC jacket
- Packaging type: Reel of 500m in a spool
- Supports IEEE 802.3bt 4P PoE+ applications
- Supports 10Gbps speed data Ethernet applications
- Operates at bandwidth of 500 MHz for high data rates
- Temperature rating during operation and storage 75°C
- Provides excellent electromagnetic interference (EMI) protection
- Enhanced individual Aluminum foiled around each pair U/FTP construction
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

APPLICATIONS

- Data center
- Premise cabling
- LAN Ethernet systems
- Data communication networks
- Surveillance camera networks

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	CABBIASBNSNFG305MR	CAT6A U/FTP 23AWG Cable - PVC
2	CABBIASBNSNLG305MR	CAT6A U/FTP 23AWG Cable - LSZH

COPPER CABLES

CATEGORY 6A U/UTP OUTDOOR CABLE

HTL Passive Connectivity Solutions Cat6A U/UTP cable is designed to support high data rates, high bandwidth digital applications for indoor and outdoor fixed installations.

PRODUCT FEATURES

- UV rated
- 4Pair UTP cable
- 23AWG solid bare copper
- Packaging type: Reel of 500m in a spool
- Supports IEEE 802.3bt 4P PoE+ applications
- Suitable or both indoor and outdoor installations
- Supports 10Gbps speed data Ethernet applications
- Available in FRPVC inner jacket and PE outer jacket
- Operates at bandwidth of 500 MHz for high data rates
- Temperature rating during operation and storage 85°C
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

APPLICATIONS

- Data center
- Premise cabling
- Outdoor installations
- LAN Ethernet systems
- Data communication networks
- Surveillance camera networks

RoHS
COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	CABBUASBNSNPG305MR	CAT6A U/UTP 23AWG Outdoor Cable – PE
2	CABBUBSBNSNPG305MR	CAT6A U/UTP 24AWG Outdoor Cable – PE

PART CODE SCHEME

Replace X with the correct code to determine the correct Ethernet Cable configuration

CAB - X X X X X X X X X X X X XXX X X

Category Variant
CAT6 = A
CAT6A = B
CAT5E = C

Category Type
UTP = U
SF/UTP = S
F/UTP = F
U/FTP = I

AWG
23 = A
24 = B
26 = C

Copper Cable Type
Solid = S
Stranded = T

Copper Type
Bare Copper = B
Tinned Copper = T

Tinned Copper Branding %
40% = 4
50% = 5
60% = 6
≥70% = 7
Customized = C
UTP & F/UTP Not Applicable = N
Only Strength Member GI = M

Sheath Type
Single Sheath = S
Double Sheath = D

Inner Sheath Color
Grey = G
Black = B
Blue = L
Green = N
Yellow = Y
Red = R

Inner Sheath Material
PVC = F
LSZH = L
PE = P

Armouring
GI Armoured = G
AL Armoured = A
Non Armoured = N
ECCS Armoured = E

Outer Sheath Material
PVC = F
LSZH = L
PE = P
Single Sheath = N

Outer Sheath Color
Grey = G
Black = B
Blue = L
Green = N
Yellow = Y
Red = R
Single Sheath = N

Length
305 = 305
500 = 500

Length Unit
Meter = M
FT = T

Packing
Box = B
Reel = R

RJ-45 COPPER PATCH CORDS

HTL Ltd.®

CATEGORY 6 U/UTP PATCH CORDS

HTL Passive Connectivity Solutions Cat6 U/UTP patch cords are designed to support high data rates, high bandwidth digital applications and indoor fixed installations.

PRODUCT FEATURES

- Wiring: T568B
- 4Pair UTP RJ-45 patch cords
- Supports data Ethernet applications
- Both component & channel compliant
- Patch cords are available in 5 colours
- Available in LSZH and FR PVC Jacket
- 24AWG multi strand copper conductors
- Supports IEEE 802.3bt 4P PoE+ applications
- Available in standard and customized lengths
- Operates at bandwidth of 250 MHz for high data rates
- Temperature rating during operation and storage 75°C
- Slim boot design RJ-45 unshielded plug for superior performance
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

APPLICATIONS

- Data center
- Access points
- Premise cabling
- LAN Ethernet systems
- Data communication networks
- Indoor surveillance camera networks

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	PAUASBNAC1SNFG001M	CAT6 U/UTP Patch cord PVC Grey -1m
2	PAUASBNAC1SNLG001M	CAT6 U/UTP Patch cord LSZH Grey -1m
3	PAUASBNAC1SNFG003M	CAT6 U/UTP Patch cord PVC Grey -3m
4	PAUASBNAC1SNLG005M	CAT6 U/UTP Patch cord LSZH Grey -5m

RJ-45 COPPER PATCH CORDS

CATEGORY 6 F/UTP PATCH CORDS

HTL Passive Connectivity Solutions Cat6 F/UTP shielded patch cords are designed to support high data rates, high bandwidth digital applications and indoor fixed installations.

PRODUCT FEATURES

- Wiring: T568B
- 4Pair FTP RJ-45 patch cords
- Supports data Ethernet applications
- Both component & channel compliant
- Patch cords are available in 5 colours
- Available in LSZH and FR PVC Jacket
- 24AWG multi strand copper conductors
- Supports IEEE 802.3bt 4P PoE+ applications
- Available in standard and customized lengths
- Enhanced overall foiled FTP cable construction
- Protection against electromagnetic interference
- Operates at bandwidth of 250 MHz for high data rates
- Temperature rating during operation and storage 75°C
- Slim boot design RJ-45 shielded plug for superior performance against noise signals
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

APPLICATIONS

- Data center
- Access points
- Premise cabling
- Shielded installations
- LAN Ethernet systems
- Data communication networks
- Indoor surveillance camera networks

ORDERING DETAILS

SL. NO.	Part code	Product description
1	PAFASBNAC1SNFG001M	CAT6 F/UTP Patch cord PVC Grey -1m
2	PAFASBNAC1SNLG001M	CAT6 F/UTP Patch cord LSZH Grey -1m
3	PAFASBNAC1SNFG003M	CAT6 F/UTP Patch cord PVC Grey -3m
4	PAFASBNAC1SNLG005M	CAT6 F/UTP Patch cord LSZH Grey -5m

RJ-45 COPPER PATCH CORDS

HTL Ltd.®

CATEGORY 6A U/UTP PATCH CORDS

HTL Passive Connectivity Solutions Cat6A U/UTP patch cords are designed to support high data rates, high bandwidth digital applications and indoor fixed installations.

PRODUCT FEATURES

- Wiring: T568B
- 4Pair UTP RJ-45 patch cords
- Both component & channel compliant
- Patch cords are available in 5 colours
- Available in LSZH and FR PVC Jacket
- 24AWG multi strand copper conductors
- Supports 10G data Ethernet applications
- Supports IEEE 802.3bt 4P PoE+ applications
- Available in standard and customized lengths
- Operates at bandwidth of 500 MHz for high data rates
- Temperature rating during operation and storage 75°C
- Slim boot design RJ-45 unshielded plug for superior performance
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

APPLICATIONS

- Data center
- Access points
- Premise cabling
- LAN Ethernet systems
- Data communication networks
- Indoor surveillance camera networks

RoHS COMPLIANT

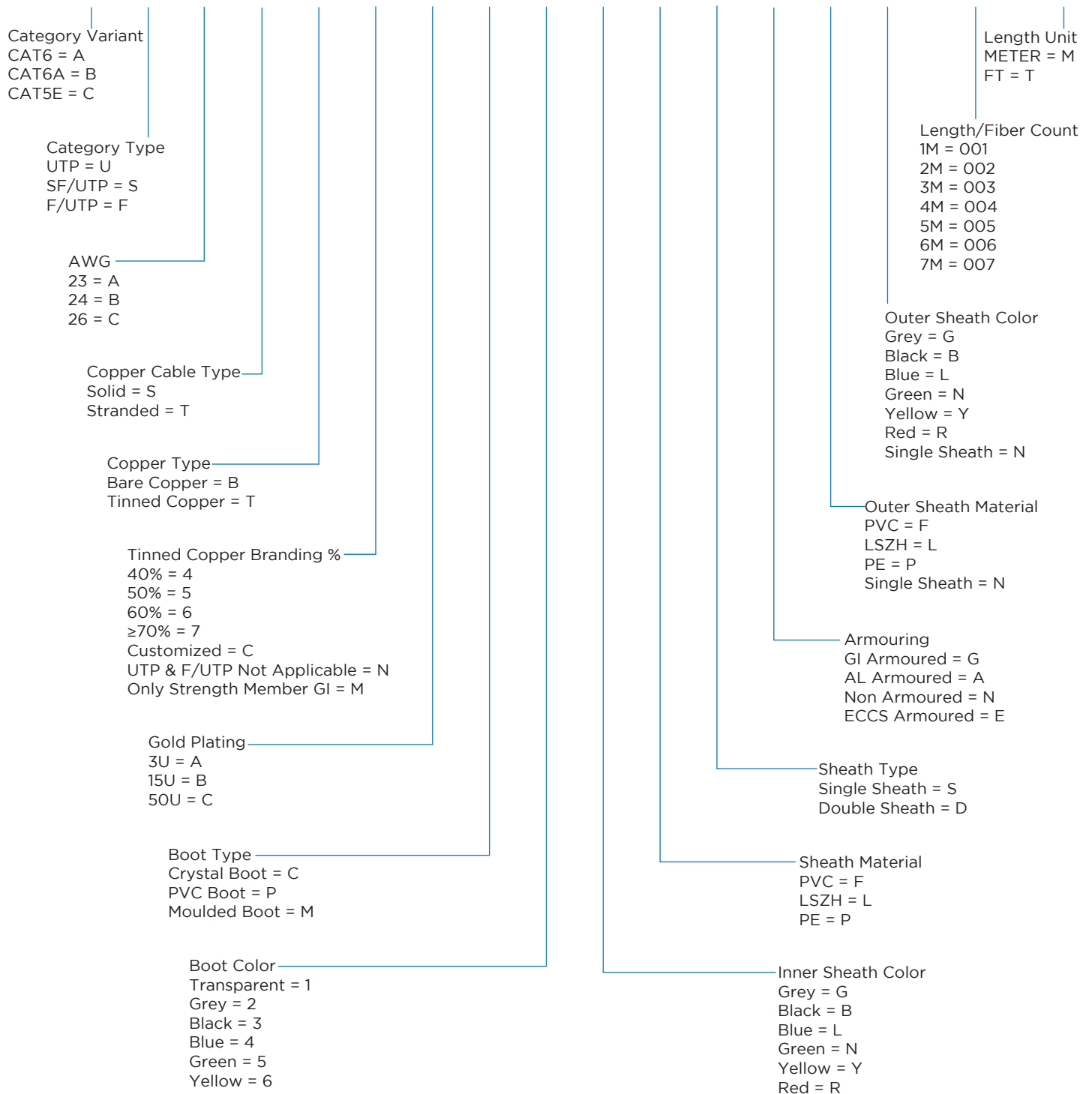## ORDERING DETAILS

SL. NO.	Part code	Product description
1	PBUASBNAC1SNFG001M	CAT6A U/UTP Patch cord PVC Grey -1mt
2	PBUASBNAC1SNLG001M	CAT6A U/UTP Patch cord LSZH Grey -1m
3	PBUASBNAC1SNFG003M	CAT6A U/UTP Patch cord PVC Grey -3m
4	PBUASBNAC1SNLG005M	CAT6A U/UTP Patch cord LSZH Grey -5m

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RJ-45 COPPER PATCH CORDS

HTL Ltd.®

CATEGORY 6A F/UTP PATCH CORDS

HTL Passive Connectivity Solutions Cat6A F/UTP shielded patch cords are designed to support high data rates, high bandwidth digital applications and indoor fixed installations.

PRODUCT FEATURES

- Wiring: T568B
- 4Pair FTP RJ-45 patch cords
- Both component & channel compliant
- Patch cords are available in 5 colours
- Available in LSZH and FR PVC Jacket
- 24AWG multi strand copper conductors
- Supports 10G data Ethernet applications
- Supports IEEE 802.3bt 4P PoE+ applications
- Available in standard and customized lengths
- Enhanced overall foiled FTP cable construction
- Protection against electromagnetic interference
- Operates at bandwidth of 500 MHz for high data rates
- Temperature rating during operation and storage 75°C
- Slim boot design RJ-45 shielded plug for superior performance against noise signals
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

APPLICATIONS

- Data center
- Access points
- Premise cabling
- Shielded installations
- LAN Ethernet systems
- Data communication networks
- Indoor surveillance camera networks

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	PBFASBNAC1SNFG001M	CAT6A F/UTP Patch cord PVC Grey -1m
2	PBFASBNAC1SNLG001M	CAT6A F/UTP Patch cord LSZH Grey -1m
3	PBFASBNAC1SNFG003M	CAT6A F/UTP Patch cord PVC Grey -3m
4	PBFASBNAC1SNLG005M	CAT6A F/UTP Patch cord LSZH Grey -5m

PART CODE SCHEME

Replace X with the correct code to determine the correct Ethernet Patch Cords configuration

P - X X X X X X X X X X X X X X X X X XXX X

Category Variant
CAT6 = A
CAT6A = B
CAT5E = C

Category Type
UTP = U
SF/UTP = S
F/UTP = F

AWG
23 = A
24 = B
26 = C

Copper Cable Type
Solid = S
Stranded = T

Copper Type
Bare Copper = B
Tinned Copper = T

Tinned Copper Branding %
40% = 4
50% = 5
60% = 6
≥70% = 7
Customized = C
UTP & F/UTP Not Applicable = N
Only Strength Member GI = M

Gold Plating
3U = A
15U = B
50U = C

Boot Type
Crystal Boot = C
PVC Boot = P
Moulded Boot = M

Boot Color
Transparent = 1
Grey = 2
Black = 3
Blue = 4
Green = 5
Yellow = 6

Length Unit
METER = M
FT = T

Length/Fiber Count
1M = 001
2M = 002
3M = 003
4M = 004
5M = 005
6M = 006
7M = 007

Outer Sheath Color
Grey = G
Black = B
Blue = L
Green = N
Yellow = Y
Red = R
Single Sheath = N

Outer Sheath Material
PVC = F
LSZH = L
PE = P
Single Sheath = N

Armouring
GI Armoured = G
AL Armoured = A
Non Armoured = N
ECCS Armoured = E

Sheath Type
Single Sheath = S
Double Sheath = D

Sheath Material
PVC = F
LSZH = L
PE = P

Inner Sheath Color
Grey = G
Black = B
Blue = L
Green = N
Yellow = Y
Red = R

CATEGORY 6 UTP IO JACKS

HTL Passive Connectivity Solutions Cat6 U/UTP (Unshielded Twisted Pair) information outlet jacks are designed to support high data rates, high bandwidth digital applications and indoor fixed installations.

PRODUCT FEATURES

- Wiring: T568A/B
- Easy punch down type
- Keystone universal design
- Supports data Ethernet applications
- Both component & channel compliant
- Keystone IO's are available in 6 colours
- Molded plastic material for body and housing
- Operates at bandwidth of 250 MHz for high data rates
- Temperature rating during operation and storage 75°C
- Designed for unshielded twisted pair (UTP) 23/24AWG cables
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

APPLICATIONS

- Data center
- Access points
- Premise cabling
- LAN Ethernet systems
- Data communication networks
- Indoor surveillance camera networks

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	IOJKC06UTPA03WHI	CAT6 UTP IO Jack White
2	IOJKC06UTPA03BLU	CAT6 UTP IO Jack Blue
3	IOJKC06UTPA03GRN	CAT6 UTP IO Jack Green
4	IOJKC06UTPA03BLK	CAT6 UTP IO Jack Black

INFORMATION OUTLETS (IO)

CATEGORY 6 STP IO JACKS

HTL Passive Connectivity Solutions Cat6 STP (Shielded Twisted Pair) information outlet jacks are designed to support high data rates, high bandwidth digital applications and indoor fixed installations.

PRODUCT FEATURES

- Wiring: T568A/B
- Easy punch down type
- Keystone universal design
- Supports data Ethernet applications
- Both component & channel compliant
- Keystone IO's are available in 6 colours
- Operates at bandwidth of 250 MHz for high data rates
- Temperature rating during operation and storage 75°C
- Designed for shielded twisted pair (STP) 23/24AWG cables
- Excellent shielding for protection against electromagnetic interference
- Molded plastic material for body and housing with Die cast outer body for shielding
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

APPLICATIONS

- Data center
- Access points
- Premise cabling
- Shielded installations
- LAN Ethernet systems
- Data communication networks
- Indoor surveillance camera networks

RoHS
COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	IOJKC06STPA03WHI	CAT6 STP IO Jack White
2	IOJKC06STPA03BLU	CAT6 STP IO Jack Blue
3	IOJKC06STPA03GRN	CAT6 STP IO Jack Green
4	IOJKC06STPA03BLK	CAT6 STP IO Jack Black

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CATEGORY 6A UTP IO JACKS

HTL Passive Connectivity Solutions Cat6A U/UTP (Unshielded Twisted Pair) information outlet jacks are designed to support high data rates, high bandwidth digital applications and indoor fixed installations.

PRODUCT FEATURES

- Wiring: T568A/B
- Easy punch down type
- Keystone universal design
- Both component & channel compliant
- Keystone IO's are available in 6 colours
- Supports 10G data Ethernet applications
- Molded plastic material for body and housing
- Operates at bandwidth of 500 MHz for high data rates
- Temperature rating during operation and storage 75°C
- Designed for unshielded twisted pair (UTP) 23/24AWG cables
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

APPLICATIONS

- Data center
- Access points
- Premise cabling
- LAN Ethernet systems
- Data communication networks
- Indoor surveillance camera networks

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	IOJKC6AUTPA03WHI	CAT6A UTP IO Jack White
2	IOJKC6AUTPA03BLU	CAT6A UTP IO Jack Blue
3	IOJKC6AUTPA03GRN	CAT6A UTP IO Jack Green
4	IOJKC6AUTPA03BLK	CAT6A UTP IO Jack Black

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INFORMATION OUTLETS (IO)

CATEGORY 6A STP IO JACKS

HTL Passive Connectivity Solutions Cat6A STP (Shielded Twisted Pair) information outlet jacks are designed to support high data rates, high bandwidth digital applications and indoor fixed installations.

PRODUCT FEATURES

- Wiring: T568A/B
- Easy punch down type
- Keystone universal design
- Both component & channel compliant
- Keystone IO's are available in 6 colours
- Supports 10G data Ethernet applications
- Operates at bandwidth of 500 MHz for high data rates
- Temperature rating during operation and storage 75°C
- Designed for shielded twisted pair (STP) 23/24AWG cables
- Excellent shielding for protection against electromagnetic interference
- Molded plastic material for body and housing with Die cast outer body for shielding
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

APPLICATIONS

- Data center
- Access points
- Premise cabling
- Shielded installations
- LAN Ethernet systems
- Data communication networks
- Indoor surveillance camera networks

ORDERING DETAILS

SL. NO.	Part code	Product description
1	IOJKC6ASTPA03WHI	CAT6A STP IO Jack White
2	IOJKC6ASTPA03BLU	CAT6A STP IO Jack Blue
3	IOJKC6ASTPA03GRN	CAT6A STP IO Jack Green
4	IOJKC6ASTPA03BLK	CAT6A STP IO Jack Black

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PART CODE SCHEME

Replace X with the correct code to determine the correct IO Jack configuration

IOJK - XXX XXX X XX XXX

Type
CAT 5E = C5E
CAT 6 = C06
CAT 6A = C6A

Color
White = WHI
Red = RED
Yellow = YLW
Green = GRN

Shielding
UTP = UTP
STP = STP

IO Gold
3U = 03
50U = 50

IO Config
90 = A
180 = B
Toolless = T

CATEGORY 6 UTP IO JACK PANEL

HTL Passive Connectivity Solutions Cat6 UTP (Unshielded Twisted Pair) IO jack panels are designed to support high data rates, high bandwidth digital applications and indoor fixed installations.

PRODUCT FEATURES

- Wiring: T568A/B
- Easy punch down type
- Keystone universal design
- Supports data Ethernet applications
- Available in straight and angular type
- Both component & channel compliant
- Available in 1U 24 ports and 2U 48 ports
- Loaded with black Keystone IO UTP jacks
- Operates at bandwidth of 250 MHz for high data rates
- Temperature rating during operation and storage 75°C
- Powder coated CRCA black panel with removable rear cable manager
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

APPLICATIONS

- Data center
- Access points
- Premise cabling
- LAN Ethernet systems
- Data communication networks

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	PPC06UTPS1L06B24	CAT6 UTP 24P 1U Straight Jack Panel
2	PPC06UTPA1L12B24	CAT6 UTP 24P 1U Angled Jack Panel
3	PPC06UTPS2L08B48	CAT6 UTP 48P 2U Straight Jack Panel
4	PPC06UTPA2L18B48	CAT6 UTP 48P 2U Angled Jack Panel

CATEGORY 6 STP IO JACK PANEL

HTL Passive Connectivity Solutions Cat6 STP (Shielded Twisted Pair) IO jack panels are designed to support high data rates, high bandwidth digital applications and indoor fixed installations.

PRODUCT FEATURES

- Wiring: T568A/B
- Easy punch down type
- Keystone universal design
- Supports data Ethernet applications
- Available in straight and angular type
- Both component & channel compliant
- Available in 1U 24 ports and 2U 48 ports
- Loaded with Keystone STP Die-cast type IO jacks
- Operates at bandwidth of 250 MHz for high data rates
- Temperature rating during operation and storage 75°C
- Excellent shielding for protection against electromagnetic interference
- Powder coated CRCA black panel with removable rear cable manager
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

APPLICATIONS

- Data center
- Access points
- Premise cabling
- Shielded installations
- LAN Ethernet systems
- Data communication networks

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	PPC06STPS1L06B24	CAT6 STP 24P 1U Straight Jack Panel
2	PPC06STPA1L12B24	CAT6 STP 24P 1U Angled Jack Panel
3	PPC06STPS2L08B48	CAT6 STP 48P 2U Straight Jack Panel
4	PPC06STPA2L18B48	CAT6 STP 48P 2U Angled Jack Panel

IO JACK PANEL

HTL Ltd.®

CATEGORY 6A UTP IO JACK PANEL

HTL Passive Connectivity Solutions Cat6A UTP (Unshielded Twisted Pair) IO jack panels are designed to support high data rates, high bandwidth digital applications and indoor fixed installations.

PRODUCT FEATURES

- Wiring: T568A/B
- Easy punch down type
- Keystone universal design
- Available in straight and angular type
- Both component & channel compliant
- Available in 1U 24 ports and 2U 48 ports
- Supports 10G data Ethernet applications
- Loaded with black Keystone IO UTP jacks
- Operates at bandwidth of 500 MHz for high data rates
- Temperature rating during operation and storage 75°C
- Powder coated CRCA black panel with removable rear cable manager
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

APPLICATIONS

- Data center
- Access points
- Premise cabling
- LAN Ethernet systems
- Data communication networks

ORDERING DETAILS

SL. NO.	Part code	Product description
1	PPC6AUTPS1L06B24	CAT6A UTP 24P 1U Straight Jack Panel
2	PPC6AUTPA1L12B24	CAT6A UTP 24P 1U Angled Jack Panel
3	PPC6AUTPS2L08B48	CAT6A UTP 48P 2U Straight Jack Panel
4	PPC6AUTPA2L18B48	CAT6A UTP 48P 2U Angled Jack Panel

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CATEGORY 6A STP IO JACK PANEL

HTL Passive Connectivity Solutions Cat6A STP (Shielded Twisted Pair) IO jack panels are designed to support high data rates, high bandwidth digital applications and indoor fixed installations.

PRODUCT FEATURES

- Wiring: T568A/B
- Easy punch down type
- Keystone universal design
- Available in straight and angular type
- Both component & channel compliant
- Available in 1U 24 ports and 2U 48 ports
- Supports 10G data Ethernet applications
- Loaded with Keystone STP Die-cast type IO jacks
- Operates at bandwidth of 500 MHz for high data rates
- Temperature rating during operation and storage 75°C
- Excellent shielding for protection against electromagnetic interference
- Powder coated CRCA black panel with removable rear cable manager
- Meets and exceeds requirements of ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

APPLICATIONS

- Data center
- Access points
- Premise cabling
- Shielded installations
- LAN Ethernet systems
- Data communication networks

ORDERING DETAILS

SL. NO.	Part code	Product description
1	PPC6ASTPS1L06B24	CAT6A STP 24P 1U Straight Jack Panel
2	PPC6ASTPA1L12B24	CAT6A STP 24P 1U Angled Jack Panel
3	PPC6ASTPS2L08B48	CAT6A STP 48P 2U Straight Jack Panel
4	PPC6ASTPA2L18B48	CAT6A STP 48P 2U Angled Jack Panel

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PART CODE SCHEME

Replace X with the correct code to determine the correct Jack Panel configuration

PP - XXX   XXX   X   X   X   XX   X   XX

Type
CAT 5E = C5E
CAT 6 = C06
CAT 6A = C6A

Shielding
UTP = UTP
STP = STP

Patch Panel Type
Straight = S
Angled = A
Zigzag = Z

Height
1U = 1
2U = 2

IO GOLD
3U = 03
50U = 50

IO Config
90 = A
180 = B
Toolless = T

IO Quantity
6 = 06
8 = 08
12 = 12
18 = 18
24 = 24
48 = 48

Port Capacity
Loaded = L
Unloaded = U

DATACONNECT®   Premium Cabling Solutions for High Performance Networks

IO FACE PLATE

86X86 FACEPLATE 1P, 2P & 4P

HTL Passive Connectivity Solutions unloaded 86x86 faceplates can be configured to provide the ports required for the workstation LAN cabling. These faceplates are universal keystone design compatible with cat 6 & cat 6A unshielded and shielded keystone IO jacks

PRODUCT FEATURES

- ABS plastic body for aesthetic look
- Dimensions: 86mm X 86mm (UK style)
- Inbuilt spring type shutter for dust protection
- Available in 1port, 2 ports and 4ports design
- With integrated label holder for port identification
- Compatible for easy snap in of UTP and STP Keystone IO Jacks
- Individually removable IO ports for ease of maintenance during operations

APPLICATIONS

- Premise cabling
- Data access points
- LAN Ethernet systems
- Workstation LAN cabling
- Data communication network
- Indoor surveillance camera network

ORDERING DETAILS

SL. NO.	Part code	Product description
1	IOFCPT1PBTWTSWHI	1P Face Plate 86x86 - White
2	IOFCPT2PBTWTSWHI	2P Face Plate 86x86 - White
3	IOFCPT4PBTWTSWHI	4P Face Plate 86x86 - White

PART CODE SCHEME

Replace X with the correct code to determine the correct IO Face Plate configuration

IOFCPT - XX XX XXX XXX

Port
1 Port = 1P
2 Port = 2P
4 Port = 4P

Size
86 x 86 = BT

Color
White = WHI
Blue = BLU
Green = GRN
Black = BLK

Type
With Shutter = WTS
Without Shutter = WOS

MODULAR PLUGS

RJ45 MODULAR PLUG

The RJ45 connector is a standardized 8-pin interface used for high-speed Ethernet networking, supporting data rates up to 10 Gbps and Power over Ethernet (PoE). It is ideal for applications in enterprise networks, data centers, and IP-based devices.

PRODUCT FEATURES

- Easy Installation
- Corrosion-resistant, with gold-plated contacts
- Locking tab prevents accidental disconnections
- 8-Pin Modular Design supports efficient data transmission and PoE
- Compliant to industry standards for broad network compatibility
- Supports high bandwidth speeds from standard Ethernet to 10GBASE-T applications

APPLICATIONS

- VoIP Telephony
- IP Security Cameras
- Enterprise Networks
- Data Center Infrastructure
- Wireless Access Points (APs)

RoHS COMPLIANT

ORDERING DETAILS

SL. NO.	Part code	Product description
1	C5ERJ45UTPCBTP03	CAT5E UTP RJ45 Connector - Transparent
2	C5ERJ45STPCBTP03	CAT5E STP RJ45 Connector - Transparent
3	C5ERJ45STPPBWH03	CAT5E STP RJ45 Connector - White
4	C06RJ45UTPCBTP03	CAT6 UTP RJ45 Connector - Transparent
5	C06RJ45STPCBTP03	CAT6 STP RJ45 Connector - Transparent
6	C06RJ45STPPBWH03	CAT6 STP RJ45 Connector - White
7	C6ARJ45UTPCBTP03	CAT6A UTP RJ45 Connector - Transparent
8	C6ARJ45STPCBTP03	CAT6A STP RJ45 Connector - Transparent
9	C6ARJ45STPPBWH03	CAT6A STP RJ45 Connector - White

PART CODE SCHEME

Replace X with the correct code to determine the correct RJ 45 Connector configuration

XXX XXX XXX XX XX XX

Type
CAT 5E = C5E
CAT 6 = C06
CAT 6A = C6A

Connector
RJ 45 = RJ45
RJ 11 = RJ11
RJ 12 = RJ12t

Shielding
UTP = UTP
STP = STP

Booting
Crystal Boot = CB
PVC Boot = PB
No Boot = NB

Boot Color
Transparent = TP
White = WH
Blue = BL
Grey = GR
Yellow = YL
Black = BK

Gold Plating
3U = 03
15U = 15
50U = 50
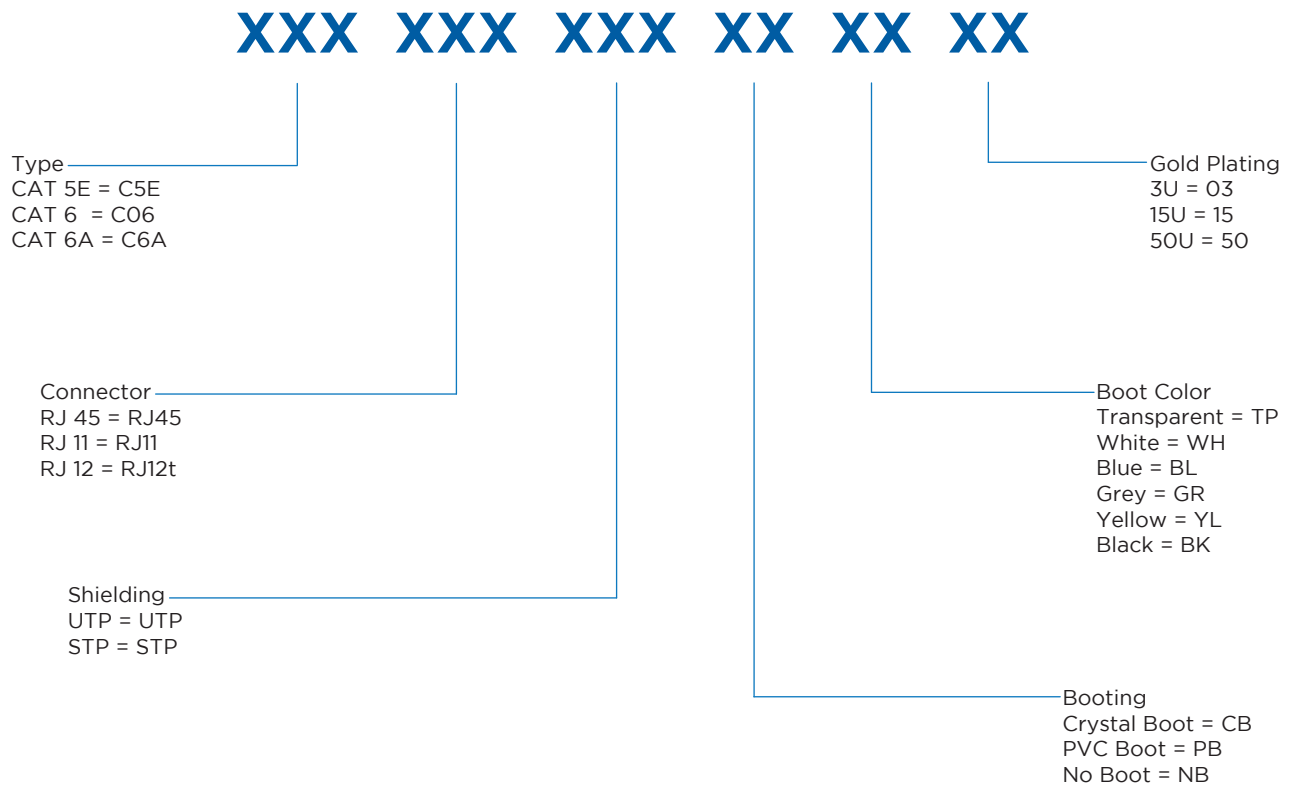
TRANSCEIVERS

Transceivers convert electrical signals to optical signals, supporting high-speed data transmission over varying distances. It comes in various form factors such as SFP, QSFP, and CFP, supporting data rates from 1Gbps to 400Gbps and are crucial for optical network connections.

PRODUCT FEATURES

- Compact Design
- Low Power Consumption
- Supports up to 40Gbps for high data throughout
- Hot pluggable to maximize uptime and simplify serviceability

APPLICATIONS

- Data Centers
- Cloud Infrastructure
- Enterprise Networks
- Telecommunications

RoHS COMPLIANT

ACTIVE COMPONENTS

ACTIVE OPTICAL CABLES (AOCs)

AOCs combine optical fiber with transceivers, delivering high bandwidth for medium to long-range data connections. They are lightweight, power-efficient, and ideal for cloud data centers and high-performance computing.

PRODUCT FEATURES

- Lightweight and Flexible
- Low Power Consumption
- Enhanced EMI suppression
- Supports up to 100Gbps data rates for large data transmission

APPLICATIONS

- Data Centers
- Telecom Networks
- Enterprise Networks
- Cloud & Hyperscale Data Centers

DATACONNECT®　　Premium Cabling Solutions for High Performance Networks

HTL Ltd.®

DIRECT ATTACH CABLES (DACs)

DACs are twinax copper cables that connect directly to network devices such as switches and servers, offering cost-effective, low-power, short-range data connections. It comes in active & passive variants—Passive DACs are ideal for very short distances, while Active DACs have integrated electronics for signal boosting, allowing slightly longer reach.

PRODUCT FEATURES

- Low Latency
- Plug-and-Play
- Low Power Consumption
- Supports 10Gbps Ethernet for fast data transmission

APPLICATIONS

- Data Centers
- Telecom Networks
- Enterprise Networks
- Storage Area Networks (SAN)

RoHS
COMPLIANT

Certificate 1

bsi.

Certificate of Registration

OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM - ISO 45001:2018

This is to certify that:
HTL Ltd.
No. 57, GST Road
Guindy
Chennai 600032
Tamil Nadu
India

Holds Certificate No: **OHS 714250**

and operates an Occupational Health and Safety Management System which complies with the requirements of ISO 45001:2018 for the following scope:

Please see scope page.

For and on behalf of BSI:
Theuns Kotze, Managing Director Assurance - IMETA

Original Registration Date: 2020-10-16   Effective Date: 2022-09-15
Latest Revision Date: 2022-09-12   Expiry Date: 2025-09-14

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Certificate 2

bsi.

Certificate of Registration

ENVIRONMENTAL MANAGEMENT SYSTEM - ISO 14001:2015

This is to certify that:
HTL Ltd.
No. 57, GST Road
Guindy
Chennai 600032
Tamil Nadu
India

Holds Certificate No: **EMS 714249**

and operates an Environmental Management System which complies with the requirements of ISO 14001:2015 for the following scope:

Please see scope page.

For and on behalf of BSI:
Theuns Kotze, Managing Director Assurance - IMETA

Original Registration Date: 2016-09-15   Effective Date: 2022-09-15
Latest Revision Date: 2022-09-12   Expiry Date: 2025-09-14

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Certificate 3

bsi.

Certificate of Registration

INFORMATION SECURITY MANAGEMENT SYSTEM - ISO/IEC 27001:2013

This is to certify that:
HTL Ltd.
No. 57, GST Road
Guindy
Chennai 600032
Tamil Nadu
India

Holds Certificate No: **IS 746654**

and operates an Information Security Management System which complies with the requirements of ISO/IEC 27001:2013 for the following scope:

The Information Security Management System applicable to cover the management operation and maintenance of the information assets and information systems and the associated processes like HR, IT that enable the Supply of Optical Fiber Cables, Passive Connectivity Solutions (Accessories), Wire Harness for Aerospace and defense, Wire Harness for Automotive and Industrial Applications.
This is in accordance with the Statement of Applicability V1.1 dated 20-Aug-22

For and on behalf of BSI:
Theuns Kotze, Managing Director Assurance - IMETA

Original Registration Date: 2019-11-30   Effective Date: 2022-12-14
Latest Revision Date: 2022-12-13   Expiry Date: 2025-10-31

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Certificate 4

bsi.

Certificate of Registration

QUALITY MANAGEMENT SYSTEM - TL 9000-H R6.3/R5.7 and ISO 9001:2015

This is to certify that:
HTL Ltd.
No. 57, GST Road
Guindy
Chennai
Tamil Nadu
600032
India

Holds Certificate No: **FM 667268**

and operates a Quality Management System which complies with the requirements of TL 9000-H R6.3/R5.7 and ISO 9001:2015 for the following scope:

Manufacture and supply of Optical Fiber Cables and supply of its accessories.

Product Category: 3.1.1.2.1
TL ID: 6987

For and on behalf of BSI:
Michael Lam - Managing Director Assurance, APAC

Original Registration Date: 2017-06-01   Effective Date: 2023-06-01
Latest Revision Date: 2023-05-13   Expiry Date: 2026-05-31

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