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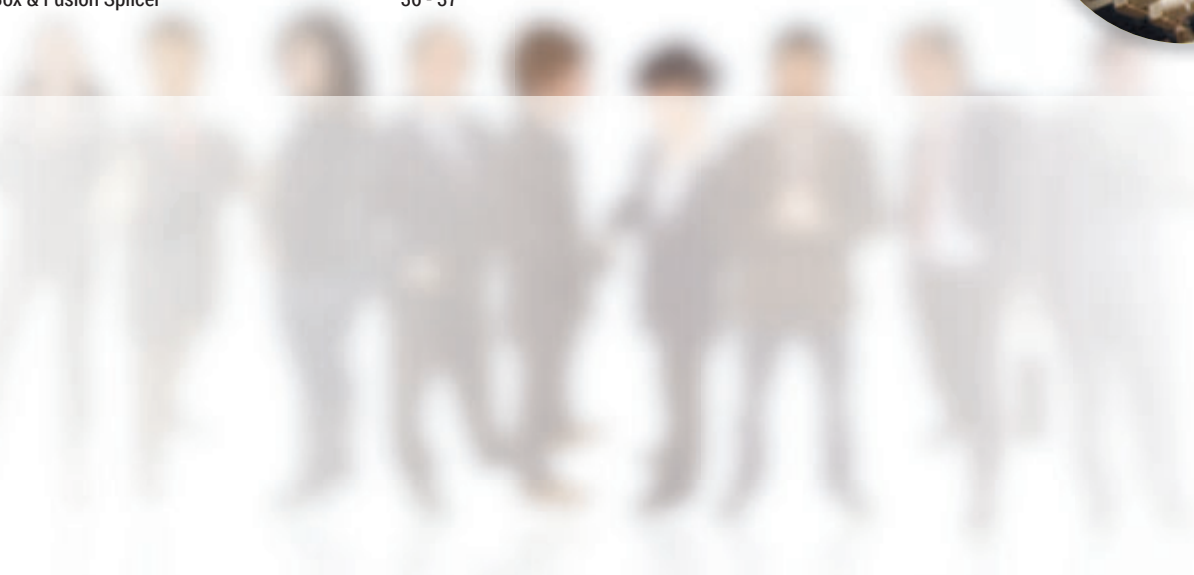
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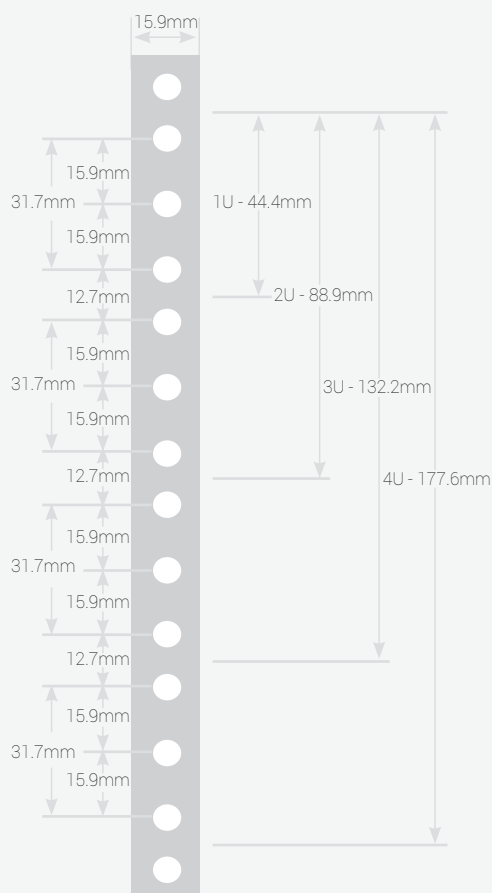
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19" Elementary Concept

Basis van 19" Rails
Principes de base d'un rail 19"



Le Rack 19" (pouces)

est un système standard pour monter divers modules électroniques les uns au-dessus des autres. Le rack est constitué de deux façades verticales en métal espacées de 18 pouces (soit 457,2 millimètres).

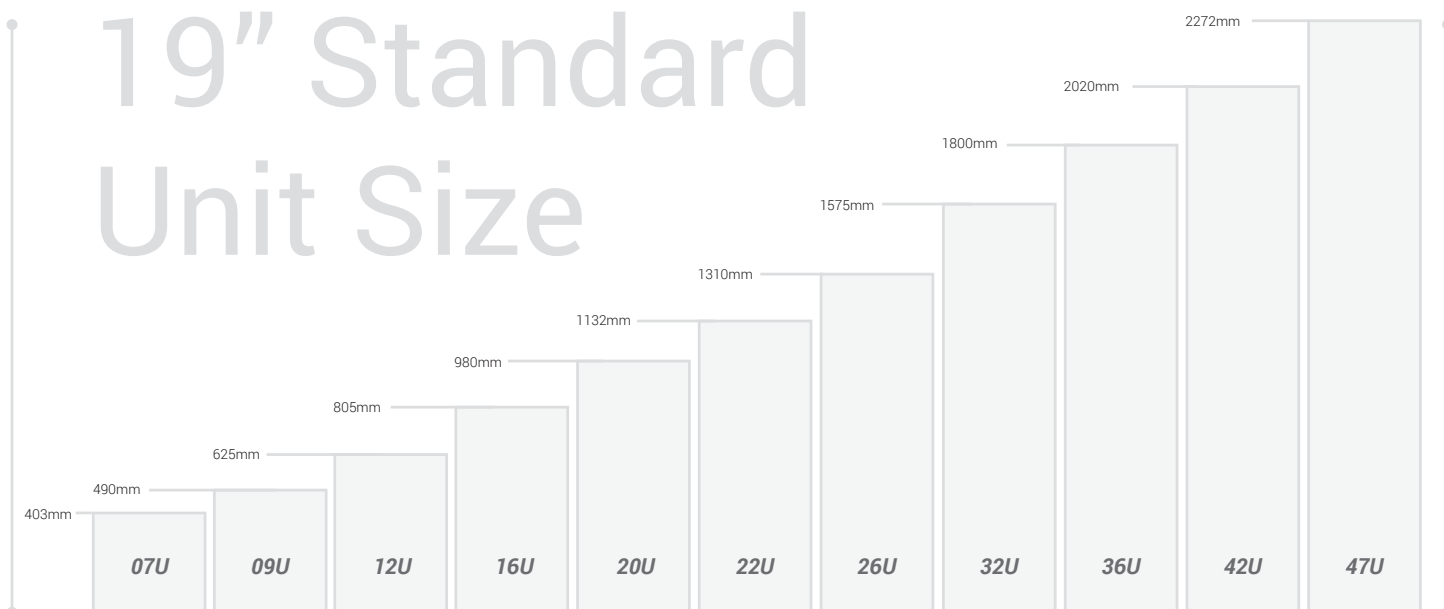
Des trous sont forés à intervalles réguliers sur la partie frontale du rack de manière à ce qu'ils soient espacés de 18,3 pouces (soit 464.82 millimètres).

Ce qui donne une largeur totale de rack de 19 pouces (soit 482.6 millimètres).

Les équipements destinés à être installés dans un tel rangement sont souvent qualifiés de rackables. La hauteur d'un élément est habituellement un multiple d'une longueur nommée U (pour unité) dont la dimension a été développée pour le système Eurocard. Un U vaut **1,75 pouces** (44,45 millimètres). 1U, 2U, 3U, 4U sont des tailles courantes.

Les racks 19 pouces sont très utilisés dans les domaines des télécommunications, de l'informatique, de l'audio et de la vidéo.

19" Standard Unit Size



La hauteur indiquée en mm peut changer selon le type d'armoire choisi, certaines armoires sont plus hautes car elles possèdent un module amovible dans le toit.

10" / 19" Wallmount Rack

10" Wallmounted Rack 5U - 8U

10" SOHO Line cabinets provides an economical solution for wall mount mini-cabinets. The SOHOLine features a modular, sturdy and compact design, ideal installation for Small Offices, Home Office applications.

- Stable housing for wall or standing installation of 1.1 mm thick steel sheet colour black
- Two 10" snap-in bars, front, cable entrance with brush strip from bottom and top
- Single pane safety-glass door, housing completed grounded



Reference	Color	Dimensions HxWxD
TDN1005UL		5U - 315(H)x285(W) x445(D) mm
TDN1005ULW		
TDN1008UL		8U
TDN1008ULW		

19" Wallmounted Rack 5U 2U Vertical and 3U Horizontal

- Special for patch panel and switch
- Ideal for 3U application
- 475 x 495 x 140 mm

Mounting type:

- Vertical opening on wall
- Horizontal opening on wall
- On ceiling or under suspend ceiling
- On floor or under raised floor



Reference	Dimensions HxWxD
TDN19WALL-L	5U - 475x495x140 mm

19" Wallmounted Bracket 2U - 4U - 8U

The Logon-Pro 19" wall mounting patch brackets are economical solutions for the safe installation of 19" components. The depth of the mounting rails is adjustable, which offers variable mounting possibilities.



19" Wallmounted Rack Unmounted 7U - 9U - 12U

- 1,1mm - 1,5mm strong sheet steel with high load capacity
- Ventilation slots for passive ventilation and exhaustion
- Safety-Glass door with steel frame and lockable
- 2 x 19" profile rails
- Cable entry on top and bottom



Reference	Color	Dimensions WxD	Reference	Color	Dimensions HxWxD
TDN19PB2U-BL		2U - (W)530 x up to (D)350	TDN1907US-BL		7U - (H)360x(W)520x(D)450
TDN19PB2UW			TDN1907USW		
TDN19PB4U-BL		4U - (W)530 x up to (D)350	TDN1909US-BL		9U - (H)490x(W)520x(D)450
TDN19PB4UW			TDN1909USW		
TDN19PB8U-BL		8U - (W)530 x up to (D)350	TDN1912US-BL		12U - (H)580x(W)520x(D)450
TDN19PB8UW			TDN1912USW		

19" Wallmount Rack

19" Wallmounted Rack Mounted 6U - 7U - 9U - 12U - 16U

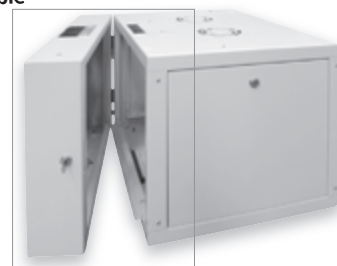
- Side sections detachable and lockable
- Ventilation slots for passive ventilation and exhaustion
- Protection rating IP 40
- Safety-Glass door with steel frame and lockable
- 2 x 19" profile rails
- Cable entry on top and bottom
- Incl. 8 pieces mounting set
- Grounded



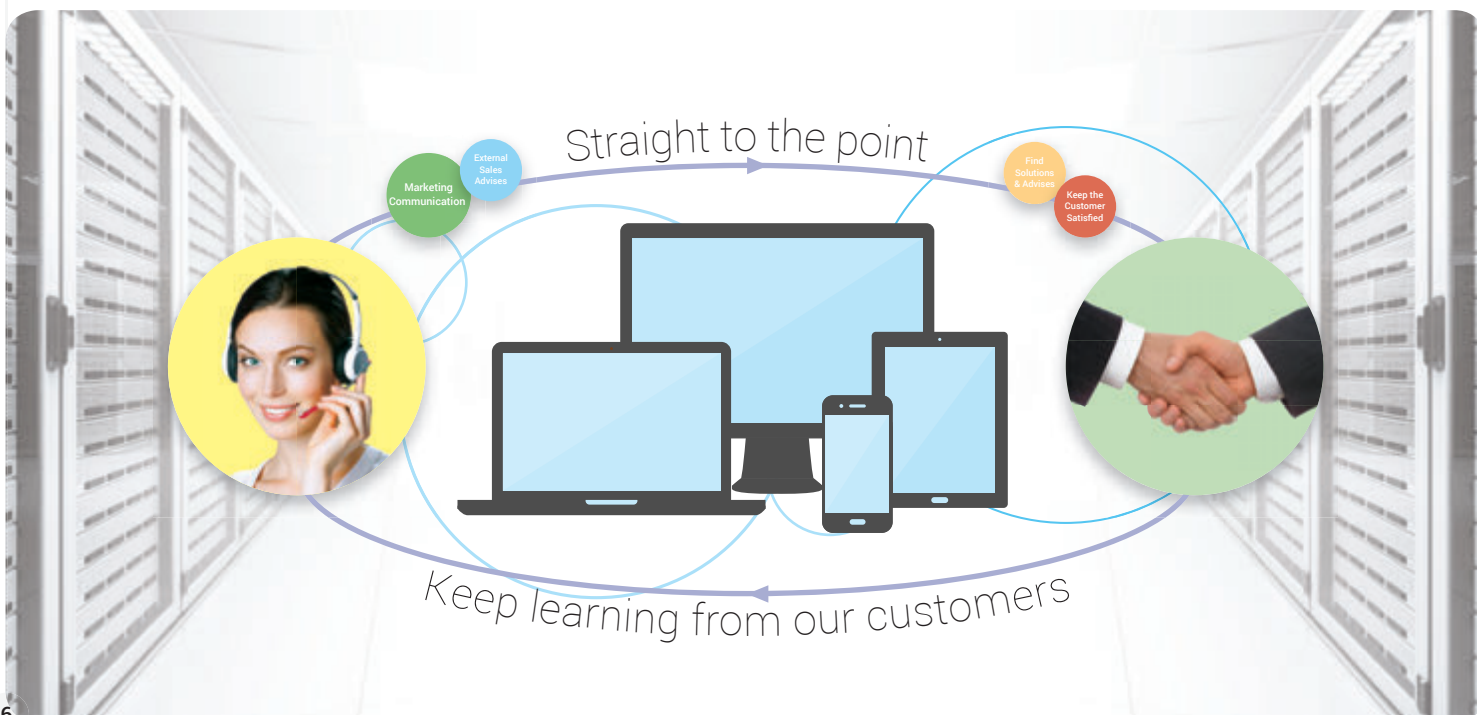
Reference	Color	Dimensions HxWxD
TDN1906U-BL		6U - (H)360x(W)600x(D)450
TDN1906UW		
TDN1907U-BL		7U - (H)403x(W)600x(D)450
TDN1907UW		
TDN1909U-BL		9U - (H)450x(W)600x(D)450
TDN1909UW		
TDN1912U-BL		12U - (H)645x(W)600x(D)450
TDN1912UW		
TDN1916U-BL		16U - (H)780x(W)600x(D)450
TDN1916UW		

19" Wallmounted Rack 2 Sectioned 6U - 7U - 9U - 12U - 16U - 20U

- The Logon Pro double section Wall Cabinets are made of a robust steel construction with a minimum of seams. Ideal for all current IT- and Telecommunication applications.
- Side sections detachable and lockable
- Ventilation slots for passive ventilation and exhaustion
- Double section, lockable
- Protection rating IP 40
- Safety-Glass door with steel frame and lockable
- 2 x 19" profile rails
- Cable entry on top and bottom
- Incl. 8 pieces mounting set
- Grounded



Reference	Color	Dimensions HxWxD
TDN1906U3-BL		6U - (H)360x(W)600x(D)550
TDN1906U3W		
TDN1907U3-BL		7U - (H)403x(W)600x(D)550
TDN1907U3W		
TDN1909U3-BL		9U - (H)450x(W)600x(D)550
TDN1909U3W		
TDN1912U3-BL		12U - (H)625x(W)600x(D)550
TDN1912U3W		
TDN1916U3-BL		16U - (H)780x(W)600x(D)550
TDN1916U3W		
TDN1920U3-BL		16U - (H)980x(W)600x(D)550
TDN1920U3W		



19" Profiline Rack

19" Mounted Rack

7U - 9U - 12U - 16U → 47U

- Side sections detachable and lockable
- Ventilation slots for passive ventilation and exhaust
- Protection rating IP 40
- Safety-Glass door with steel frame and lockable
- 2 x 19" profile rails
- Cable entry on top and bottom
- Incl. 8 pieces mounting set
- Grounded
- Extensive accessories available

19" Mounted Rack

(W)600x(D)600mm

Reference	Color	Dimensions HxWxD
TDN1907U66-BL		7U - (H)360x(W)600x(D)560
TDN1907U66W		
TDN1909U66-BL		9U - (H)470x(W)600x(D)560
TDN1909U66W		
TDN1912U66-BL		12U - (H)625x(W)600x(D)560
TDN1912U66W		
TDN1916U66-BL		16U - (H)780x(W)600x(D)560
TDN1916U66W		
TDN1922U66-BL		22U - (H)1135x(W)600x(D)560
TDN1922U66W		
TDN1932U66-BL		32U - (H)1573x(W)600x(D)560
TDN1932U66W		
TDN1942U66-BL		42U - (H)2020x(W)600x(D)560
TDN1942U66W		

19" Mounted Rack

(W)800x(D)800mm

Reference	Color	Dimensions HxWxD
TDN1932U88-BL		32U - (H)1573x(W)800x(D)800
TDN1932U88W		
TDN1942U88-BL		42U - (H)2112x(W)800x(D)800
TDN1942U88W		

19" Mounted Rack

(W)600x(D)1000mm

Reference	Color	Dimensions HxWxD
TDN1926U610-BL		26U - (H)1310x(W)600x(D)1000
TDN1932U610W		
TDN1936U610-BL		36U - (H)1766x(W)600x(D)1000
TDN1936U610W		
TDN1942U610-BL		42U - (H)2020x(W)600x(D)1000
TDN1942U610W		



19" Mounted Rack

(W)600x(D)800mm

Reference	Color	Dimensions HxWxD
TDN1907U68-BL		07U - (H)403x(W)600x(D)800
TDN1909U68-BL		09U - (H)520x(W)600x(D)800
TDN1912U68-BL		16U - (H)645x(W)600x(D)800
TDN1916U68-BL		16U - (H)806x(W)600x(D)800
TDN1916U68W		
TDN1922U68-BL		22U - (H)1135x(W)600x(D)800
TDN1922U68W		
TDN1926U68-BL		26U - (H)1341x(W)600x(D)800
TDN1926U68W		
TDN1932U68-BL		32U - (H)1573x(W)600x(D)800
TDN1932U68W		
TDN1942U68-BL		42U - (H)2100x(W)600x(D)800
TDN1942U68W		
TDN1947U68-BL		47U - (H)2244x(W)600x(D)800
TDN1947U68W		

19" Serverline Rack

Serverline 19" Case With Cooling Module 18U - 26U - 36U - 42U - 47U

- Perforated doors
- Side sections detachable and lockable
- Ventilation slots for passive ventilation and exhaustion
- Protection class IP 20
- Perforated steel front door, opening angle 180° with lockable swing handle
- Dual lockable door front & rear
- Perforated single-wing steel front & Perforated double-wing rear doors
- Large cable entry with rubber-edged sliding mechanism on the floor, as protection against cable breakage and damage, and ensures the fixation of large bundles of cable.
- Cable entries with brush strips on the floor and in the rear level
- Inclusive fan module on the roof
- Inclusive 4 castor
- Inclusive screws set

Reference	Color	Dimensions HxWxD
TDN19SRV18UL		18U - (H)1080x(W)600x(D)1000
TDN19SRV18UW		
TDN19SRV26UL		26U - (H)1430x(W)600x(D)1000
TDN19SRV26UW		
TDN19SRV36UL		36U - (H)1870x(W)600x(D)1000
TDN19SRV36UW		
TDN19SRV42UL		42U - (H)1992x(W)600x(D)1000
TDN19SRV42UW		
TDN19SRV42U8L		42U - (H)1992x(W)800x(D)1000
TDN19SRV42U8W		
TDN19SRV42U12L		42U - (H)1992x(W)800x(D)1200
TDN19SRV42U12W		
TDN19SRV47U8L		47U - (H)2100x(W)800x(D)1000
TDN19SRV47U8W		
TDN19SRV47U12L		47U - (H)2100x(W)800x(D)1200
TDN19SRV47U12W		



Integrated Cooling Module With Thermostat



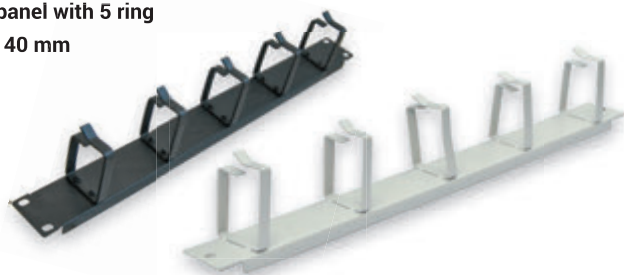
Roof & Bottom Cable Slot Removable 19" Rails For More Comfort



19" Cable Management

19" Panel with 5 Cable Rings 40x40mm

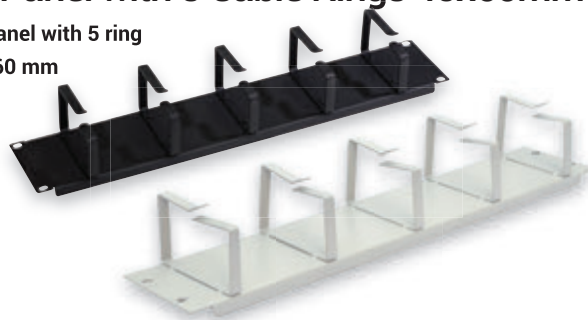
- 19" panel with 5 ring
- 40 x 40 mm



Reference	Color	Dimensions HxWxD
TDN19ORG1U-BL	Black	1U - 40x40mm
TDN19ORG1UW	White	

19" Panel with 5 Cable Rings 40x60mm

- 19" panel with 5 ring
- 40 x 60 mm



Reference	Color	Dimensions HxWxD
TDN19ORG2U-BL	Black	2U - 40x60mm
TDN19ORG2UW	White	

19" Cable Ring 45x75mm



Reference	Color	Dimensions HxWxD
TDN19ORG1BL	Black	1pcs - 45x75mm
TDN19ORG1W	White	

19" Cable Management 1U



Reference	Color	Unit
TDN19ORG6U-BL	Black	1U
TDN19ORG6UW	White	

19" Cable Management 1U



Reference	Color	Unit
TDN19ORG10U-BL	Black	1U
TDN19ORG10UW	White	

19" Cable Management 2U



Reference	Color	Unit
TDN19ORG11U-BL	Black	2U
TDN19ORG11UW	White	

19" Panel Cable Management with Brush

Back Plate



Reference	Color	Unit
TDN19ORG3U-BL	Black	1U
TDN19ORG3UW	White	

19" Panel Cable Management with Brush

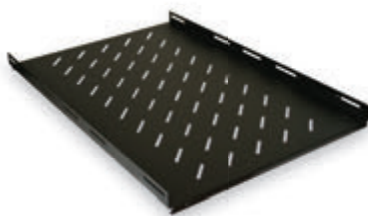


Reference	Color	Unit
TDN19ORG8U-BL	Black	1U
TDN19ORG8UW	White	

19" Accessories

19" Fixed Tray For 1000mm Depth Rack

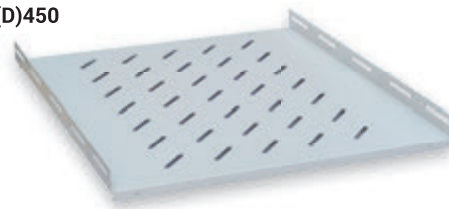
• 1U - (H)35x(W)x495x(D)750



Reference	Color	Dimensions HxWxD
TDN19TRAY110BL		1U - (H)35x(W)x495x(D)750
TDN19TRAY110W		

19" Fixed Tray For 800mm Depth Rack

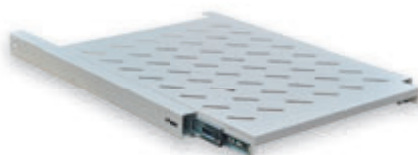
• 1U - (H)45x(W)x465x(D)450



Reference	Color	Dimensions HxWxD
TDN19TRAY180BL		1U - (H)45x(W)x465x(D)450
TDN19TRAY180W		

19" Telescopic Tray For 750mm Depth Rack

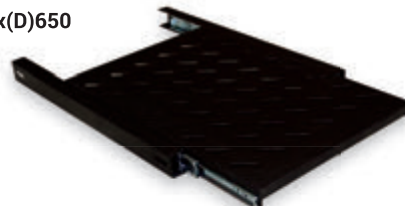
• 1U x 500 x 750 (HxWxD)



Reference	Color	Dimensions HxWxD
TDN19TRAY175BL		1U - (H)50x(W)x495x(D)750
TDN19TRAY175W		

19" Telescopic Tray For 650mm Depth Rack

• 1U - (H)50x(W)495x(D)650



Reference	Color	Dimensions HxWxD
TDN19TRAY165BL		1U - (H)50x(W)495x(D)650
TDN19TRAY165W		

19" Fixed Tray For 400mm Depth Rack

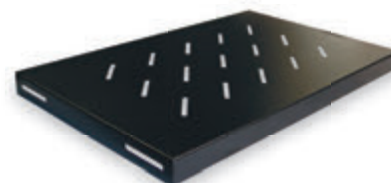
• 1U - (H)45x(W)465x(D)400



Reference	Color	Dimensions HxWxD
TDN19TRAY140BL		1U - (H)45x(W)465x(D)400
TDN19TRAY140W		

19" Fixed Tray For 350mm Depth Rack

• 1U x 500 x 350 (HxWxD)



Reference	Color	Dimensions HxWxD
TDN19TRAY160BL		1U - (H)50x(W)495x(D)350
TDN19TRAY160W		

19" Fixed Tray For 300mm Depth Rack

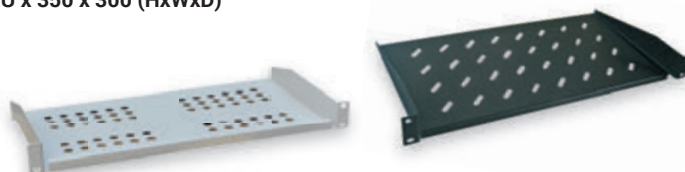
• 1U - (H)30x(W)465x(D)300



Reference	Color	Dimensions HxWxD
TDN19TRAY130BL		1U - (H)30x(W)465x(D)300
TDN19TRAY130W		

19" Fixed Tray

• 1U x 350 x 300 (HxWxD)



Reference	Color	Dimensions HxWxD
TDN19TRAY1-BL		1U - (H)44x(W)350x(D)300
TDN19TRAY1W		

19" Universal Tray

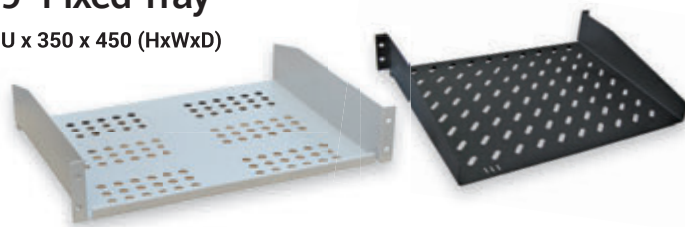
• 1U x 450 x 750 ↔ 45 (HxWxD)



Reference	Color	Dimensions HxWxD
TDN19TRAYUNI		1U - 45x450x750
TDN19TRAYUNIW		

19" Fixed Tray

• 2U x 350 x 450 (HxWxD)



Reference	Color	Dimensions HxWxD
TDN19TRAY2-BL		1U - (H)88x(W)350x(D)450
TDN19TRAY2W		

Accessories Compatibility

Tray Compatibility for all 19" Wallmounted Rack Unmounted 7U - 9U - 12U

Reference / Tray	TDN19TRAYUNI	TDN19TRAY1-BL	TDN19TRAY2-BL	TDN19TRAY110BL	TDN19TRAY130BL	TDN19TRAY140BL	TDN19TRAY160BL	TDN19TRAY165BL	TDN19TRAY175BL	TDN19TRAY180BL
	TDN19TRAYUNIW	TDN19TRAY1W	TDN19TRAY2W	TDN19TRAY110W	TDN19TRAY130W	TDN19TRAY140W	TDN19TRAY160W	TDN19TRAY165W	TDN19TRAY175W	TDN19TRAY180W
TDN1907US-BL		✓	✓		✓					
TDN1907USW		✓	✓		✓					
TDN1909US-BL		✓	✓		✓					
TDN1909USW		✓	✓		✓					
TDN1912US-BL		✓	✓		✓					
TDN1912USW		✓	✓		✓					

Tray Compatibility for all 19" Wallmounted Rack Mounted 6U - 7U - 9U - 12U - 16U

Reference / Tray	TDN19TRAYUNI	TDN19TRAY1-BL	TDN19TRAY2-BL	TDN19TRAY110BL	TDN19TRAY130BL	TDN19TRAY140BL	TDN19TRAY160BL	TDN19TRAY165BL	TDN19TRAY175BL	TDN19TRAY180BL
	TDN19TRAYUNIW	TDN19TRAY1W	TDN19TRAY2W	TDN19TRAY110W	TDN19TRAY130W	TDN19TRAY140W	TDN19TRAY160W	TDN19TRAY165W	TDN19TRAY175W	TDN19TRAY180W
TDN1906U-BL		✓	✓			✓				
TDN1906UW		✓	✓			✓				
TDN1907U-BL		✓	✓			✓				
TDN1907UW		✓	✓			✓				
TDN1909U-BL		✓	✓			✓				
TDN1909UW		✓	✓			✓				
TDN1912U-BL		✓	✓			✓				
TDN1912UW		✓	✓			✓				
TDN1916U-BL		✓	✓			✓				
TDN1916UW		✓	✓			✓				

Tray Compatibility for all 19" Wallmounted Rack 2 Sectioned 6U - 7U - 9U - 12U - 16U

Reference / Tray	TDN19TRAYUNI	TDN19TRAY1-BL	TDN19TRAY2-BL	TDN19TRAY110BL	TDN19TRAY130BL	TDN19TRAY140BL	TDN19TRAY160BL	TDN19TRAY165BL	TDN19TRAY175BL	TDN19TRAY180BL
	TDN19TRAYUNIW	TDN19TRAY1W	TDN19TRAY2W	TDN19TRAY110W	TDN19TRAY130W	TDN19TRAY140W	TDN19TRAY160W	TDN19TRAY165W	TDN19TRAY175W	TDN19TRAY180W
TDN1906U3-BL	✓	✓	✓			✓				
TDN1906U3W	✓	✓	✓			✓				
TDN1907U3-BL	✓	✓	✓			✓				
TDN1907U3W	✓	✓	✓			✓				
TDN1909U3-BL	✓	✓	✓			✓				
TDN1909U3W	✓	✓	✓			✓				
TDN1912U3-BL	✓	✓	✓			✓				
TDN1912U3W	✓	✓	✓			✓				
TDN1916U3-BL	✓	✓	✓			✓				
TDN1916U3W	✓	✓	✓			✓				

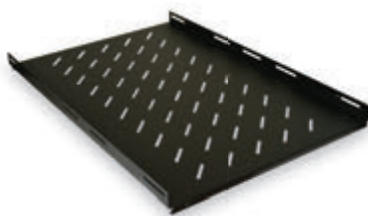
Tray Compatibility for all Serverline 19" Case With Cooling Module 18U - 26U - 36U - 42U

Reference / Tray	TDN19TRAYUNI	TDN19TRAY1-BL	TDN19TRAY2-BL	TDN19TRAY110BL	TDN19TRAY130BL	TDN19TRAY140BL	TDN19TRAY160BL	TDN19TRAY165BL	TDN19TRAY175BL	TDN19TRAY180BL
	TDN19TRAYUNIW	TDN19TRAY1W	TDN19TRAY2W	TDN19TRAY110W	TDN19TRAY130W	TDN19TRAY140W	TDN19TRAY160W	TDN19TRAY165W	TDN19TRAY175W	TDN19TRAY180W
TDN19SRV18UL	✓	✓	✓	✓		✓		✓		
TDN19SRV18UW	✓	✓	✓	✓		✓		✓		
TDN19SRV26UL	✓	✓	✓	✓		✓		✓		
TDN19SRV26UW	✓	✓	✓	✓		✓		✓		
TDN19SRV36UL	✓	✓	✓	✓		✓		✓		
TDN19SRV36UW	✓	✓	✓	✓		✓		✓		
TDN19SRV42UW	✓	✓	✓	✓		✓		✓		
TDN19SRV42UL	✓	✓	✓	✓		✓		✓		
TDN19SRV42U8L	✓	✓	✓	✓		✓		✓	✓	
TDN19SRV42U8W	✓	✓	✓	✓		✓		✓	✓	
TDN19SRV42U12L	✓	✓	✓	✓		✓		✓	✓	
TDN19SRV42U12W	✓	✓	✓	✓		✓		✓	✓	

19" Accessories

19" Fixed Tray For 1000mm Depth Rack

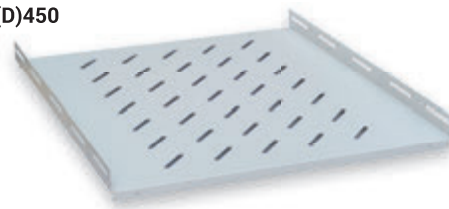
• 1U - (H)35x(W)x495x(D)750



Reference	Color	Dimensions HxWxD
TDN19TRAY110BL		1U - (H)35x(W)x495x(D)750
TDN19TRAY110W		

19" Fixed Tray For 800mm Depth Rack

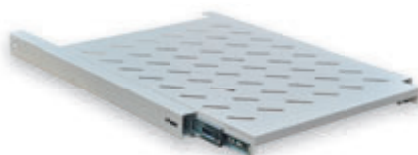
• 1U - (H)45x(W)x465x(D)450



Reference	Color	Dimensions HxWxD
TDN19TRAY180BL		1U - (H)45x(W)x465x(D)450
TDN19TRAY180W		

19" Telescopic Tray For 750mm Depth Rack

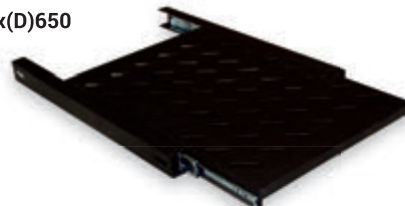
• 1U x 500 x 750 (HxWxD)



Reference	Color	Dimensions HxWxD
TDN19TRAY175BL		1U - (H)50x(W)x495x(D)750
TDN19TRAY175W		

19" Telescopic Tray For 650mm Depth Rack

• 1U - (H)50x(W)495x(D)650



Reference	Color	Dimensions HxWxD
TDN19TRAY165BL		1U - (H)50x(W)495x(D)650
TDN19TRAY165W		

19" Fixed Tray For 400mm Depth Rack

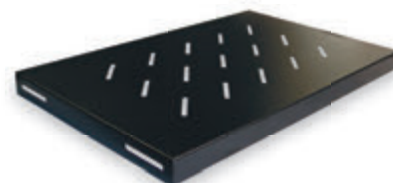
• 1U - (H)45x(W)465x(D)400



Reference	Color	Dimensions HxWxD
TDN19TRAY140BL		1U - (H)45x(W)465x(D)400
TDN19TRAY140W		

19" Fixed Tray For 350mm Depth Rack

• 1U x 500 x 350 (HxWxD)



Reference	Color	Dimensions HxWxD
TDN19TRAY160BL		1U - (H)50x(W)495x(D)350
TDN19TRAY160W		

19" Fixed Tray For 300mm Depth Rack

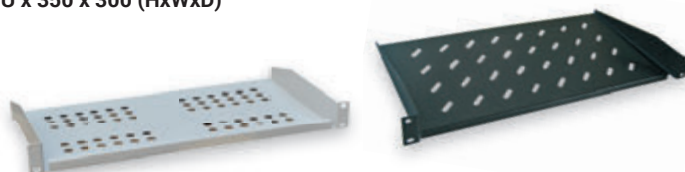
• 1U - (H)30x(W)465x(D)300



Reference	Color	Dimensions HxWxD
TDN19TRAY130BL		1U - (H)30x(W)465x(D)300
TDN19TRAY130W		

19" Fixed Tray

• 1U x 350 x 300 (HxWxD)



Reference	Color	Dimensions HxWxD
TDN19TRAY1-BL		1U - (H)44x(W)350x(D)300
TDN19TRAY1W		

19" Universal Tray

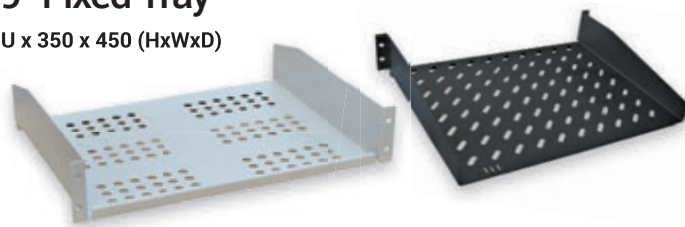
• 1U x 450 x 750 ↔ 45 (HxWxD)



Reference	Color	Dimensions HxWxD
TDN19TRAYUNI		1U - 45x450x750
TDN19TRAYUNIW		

19" Fixed Tray

• 2U x 350 x 450 (HxWxD)



Reference	Color	Dimensions HxWxD
TDN19TRAY2-BL		1U - (H)88x(W)350x(D)450
TDN19TRAY2W		

Accessories Compatibility

Tray Compatibility for all 19" Profile Rack 600x600

Reference / Tray	TDN19TRAYUNI	TDN19TRAY1-BL	TDN19TRAY2-BL	TDN19TRAY110BL	TDN19TRAY130BL	TDN19TRAY140BL	TDN19TRAY160BL	TDN19TRAY165BL	TDN19TRAY175BL	TDN19TRAY180BL
	TDN19TRAYUNIW	TDN19TRAY1W	TDN19TRAY2W	TDN19TRAY110W	TDN19TRAY130W	TDN19TRAY140W	TDN19TRAY160W	TDN19TRAY165W	TDN19TRAY175W	TDN19TRAY180W
TDN1907U66-BL	✓	✓	✓			✓	✓			
TDN1907U66W	✓	✓	✓			✓	✓			
TDN1909U66-BL	✓	✓	✓			✓	✓			
TDN1909U66W	✓	✓	✓			✓	✓			
TDN1912U66-BL	✓	✓	✓			✓	✓			
TDN1912U66W	✓	✓	✓			✓	✓			

Tray Compatibility for all 19" Profile Rack 600x650

Reference / Tray	TDN19TRAYUNI	TDN19TRAY1-BL	TDN19TRAY2-BL	TDN19TRAY110BL	TDN19TRAY130BL	TDN19TRAY140BL	TDN19TRAY160BL	TDN19TRAY165BL	TDN19TRAY175BL	TDN19TRAY180BL
	TDN19TRAYUNIW	TDN19TRAY1W	TDN19TRAY2W	TDN19TRAY110W	TDN19TRAY130W	TDN19TRAY140W	TDN19TRAY160W	TDN19TRAY165W	TDN19TRAY175W	TDN19TRAY180W
TDN1916U66-BL	✓	✓	✓			✓	✓			
TDN1916U66W	✓	✓	✓			✓	✓			
TDN1922U66-BL	✓	✓	✓			✓	✓			
TDN1922U66W	✓	✓	✓			✓	✓			
TDN1932U66-BL	✓	✓	✓			✓	✓			
TDN1932U66W	✓	✓	✓			✓	✓			
TDN1942U66-BL	✓	✓	✓			✓	✓			
TDN1942U66W	✓	✓	✓			✓	✓			

Tray Compatibility for all 19" Profile Rack 600x800

Reference / Tray	TDN19TRAYUNI	TDN19TRAY1-BL	TDN19TRAY2-BL	TDN19TRAY110BL	TDN19TRAY130BL	TDN19TRAY140BL	TDN19TRAY160BL	TDN19TRAY165BL	TDN19TRAY175BL	TDN19TRAY180BL
	TDN19TRAYUNIW	TDN19TRAY1W	TDN19TRAY1W	TDN19TRAY110W	TDN19TRAY130W	TDN19TRAY140W	TDN19TRAY160W	TDN19TRAY165W	TDN19TRAY175W	TDN19TRAY180W
TDN1916U68-BL	✓	✓	✓			✓		✓		✓
TDN1916U68W	✓	✓	✓			✓		✓		✓
TDN1922U68-BL	✓	✓	✓			✓		✓		✓
TDN1922U68W	✓	✓	✓			✓		✓		✓
TDN1926U68-BL	✓	✓	✓			✓		✓		✓
TDN1926U68W	✓	✓	✓			✓		✓		✓
TDN1932U68-BL	✓	✓	✓			✓		✓		✓
TDN1932U68W	✓	✓	✓			✓		✓		✓
TDN1942U68-BL	✓	✓	✓			✓		✓		✓
TDN1942U68W	✓	✓	✓			✓		✓		✓
TDN1947U68-BL	✓	✓	✓			✓		✓		✓
TDN1947U68W	✓	✓	✓			✓		✓		✓

Tray Compatibility for all 19" Profile Rack 800x800

Reference / Tray	TDN19TRAYUNI	TDN19TRAY1-BL	TDN19TRAY2-BL	TDN19TRAY110BL	TDN19TRAY130BL	TDN19TRAY140BL	TDN19TRAY160BL	TDN19TRAY165BL	TDN19TRAY175BL	TDN19TRAY180BL
	TDN19TRAYUNIW	TDN19TRAY1W	TDN19TRAY2W	TDN19TRAY110W	TDN19TRAY130W	TDN19TRAY140W	TDN19TRAY160W	TDN19TRAY165W	TDN19TRAY175W	TDN19TRAY180W
TDN1932U88-BL	✓	✓	✓			✓		✓		✓
TDN1932U88W	✓	✓	✓			✓		✓		✓
TDN1942U88-BL	✓	✓	✓			✓		✓		✓
TDN1942U88W	✓	✓	✓			✓		✓		✓

Tray Compatibility for all 19" Profile Rack 600x1000

Reference / Tray	TDN19TRAYUNI	TDN19TRAY1-BL	TDN19TRAY2-BL	TDN19TRAY110BL	TDN19TRAY130BL	TDN19TRAY140BL	TDN19TRAY160BL	TDN19TRAY165BL	TDN19TRAY175BL	TDN19TRAY180BL
	TDN19TRAYUNIW	TDN19TRAY1W	TDN19TRAY2W	TDN19TRAY110W	TDN19TRAY130W	TDN19TRAY140W	TDN19TRAY160W	TDN19TRAY165W	TDN19TRAY175W	TDN19TRAY180W
TDN1926U610-BL	✓	✓	✓	✓		✓		✓	✓	
TDN1926U610W	✓	✓	✓	✓		✓		✓	✓	
TDN1936U610-BL	✓	✓	✓	✓		✓		✓	✓	
TDN1936U610W	✓	✓	✓	✓		✓		✓	✓	
TDN1942U610-BL	✓	✓	✓	✓		✓		✓	✓	
TDN1942U610W	✓	✓	✓	✓		✓		✓	✓	

19" Accessories

19" Cooling Unit + Thermostat

- Fan ONLY for Wallmount 19" Rack
- For installation into top-floor module
- 2 Fans - 276m³ Air circulation per hour
- Noise level: 47dBm
- Thermostat adjustable from 0 - 35°C
- 50 x 425 x 565 (HxWxD)



19" Cooling Unit + Thermostat

TDN19FAN2WMTBL

TDN19FAN2WMTBW

19" Cooling Unit + Thermostat

- For installation into top-floor module
- 4 Fans - 552m³ Air circulation per hour
- Noise level: 47dBm
- Thermostat adjustable from 0 - 35°C
- zz x zz x zz (HxWxD)



19" Cooling Unit + Thermostat

TDN19FAN2HO-BL

TDN19FAN2HOW

TDN19FAN4HO-BL

TDN19FAN4HOW

19" Cooling Unit + Thermostat

- For installation into top-floor module
- 6 Fans - 1170m³ Air circulation per hour
- Noise level: 47dBm
- Thermostat adjustable from 0 - 35°C
- 50 x 530 x 710 (HxWxD)



19" Cooling Unit + Thermostat

TDN19FAN6-BL

TDN19FAN6W

19" Cooling Unit + Thermostat

- For installation into top-floor module
- 4 Fans - 552m³ Air circulation per hour
- Noise level: 47dBm
- Thermostat adjustable from 0 - 35°C
- 50 x 730 x 720 (HxWxD)



19" Cooling Unit + Thermostat

TDN19FAN488BL

TDN19FAN488W

19" Cooling Unit + Thermostat

- For installation into top-floor module
- 4 Fans - 552m³ Air circulation per hour
- Noise level: 47dBm
- Thermostat adjustable from 0 - 35°C
- 50 x 530 x 720 (HxWxD)



19" Cooling Unit + Thermostat

TDN19FAN468BL

TDN19FAN468W

19" Cooling Unit + Thermostat

- For installation into top-floor module
- 4 Fans - 552m³ Air circulation per hour
- Noise level: 47dBm
- Thermostat adjustable from 0 - 35°C
- 50 x 510 x 530 (HxWxD)



19" Cooling Unit + Thermostat

TDN19FAN466BL

TDN19FAN466W

19" Cooling Unit + Thermostat

- For installation into top-floor module
- 6 Fans - 1170m³ Air circulation per hour
- Noise level: 47dBm
- Thermostat adjustable from 0 - 35°C
- 50 x 530 x 720 (HxWxD)



19" Cooling Unit + Thermostat

TDN19FAN668BL

TDN19FAN668W

19" Serverline Cooling Unit

- For installation into top-floor module
- 4 Fans - 552m³ Air circulation per hour
- Noise level: 47dBm
- Thermostat adjustable from 0 - 35°C
- 50 x 450 x 750 (HxWxD)



19" Cooling Unit + Thermostat

TDN19FAN4610BL

TDN19FAN4610W

19" Serverline Cooling Unit

- For installation into top-floor module
- 4 Fans - 552m³ Air circulation per hour
- Noise level: 47dBm
- Thermostat adjustable from 0 - 35°C
- 50 x 530 x 915 (HxWxD)



19" Cooling Unit + Thermostat

TDN19FAN46012L

TDN19FAN46012W

Fan Compatibility 600x600 19" Cabinet

Reference / Tray	TDN19FAN466BL
TDN1907U66-BL	✓
TDN1907U66W	✓
TDN1909U66-BL	✓
TDN1909U66W	✓
TDN1912U66-BL	✓
TDN1912U66W	✓

800x800 19" Cabinet

Reference / Tray	TDN19FAN488BL
TDN1932U88-BL	✓
TDN1932U88W	✓
TDN1942U88-BL	✓
TDN1942U88W	✓

Fan Compatibility 600x800 19" Cabinet

Reference / Tray	TDN19FAN468BL	TDN19FAN668BL
TDN1916U68-BL	✓	✓
TDN1916U68W	✓	✓
TDN1922U68-BL	✓	✓
TDN1922U68W	✓	✓
TDN1926U68-BL	✓	✓
TDN1926U68W	✓	✓
TDN1932U68-BL	✓	✓
TDN1932U68W	✓	✓
TDN1942U68-BL	✓	✓
TDN1942U68W	✓	✓
TDN1947U68-BL	✓	✓
TDN1947U68W	✓	✓

Fan Compatibility 600x1000 19" Cabinet

Reference / Tray	TDN19FAN4610BL
TDN1926U610-BL	✓
TDN1936U610-BL	✓
TDN1942U610-BL	✓

Fan Compatibility 800x1200 19" Cabinet

Reference / Tray	TDN19FAN8012BL
TDN19SRV42U12L	✓
TDN19SRV47U12L	✓



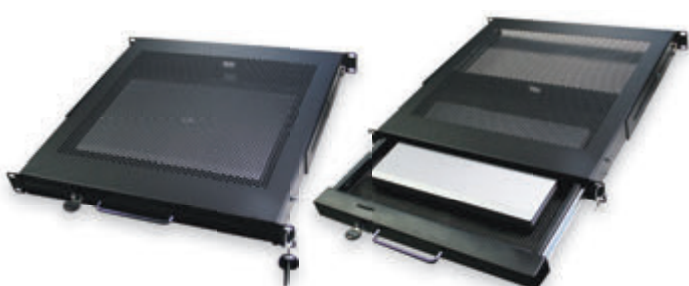
Accessories Compatibility

19" Lockable Drawer 1U



Reference	Color	Unit
TDN19KEY1U-BL	Black	1U
TDN19KEY1UW	White	

19" Notebook Lockable Drawer 1U



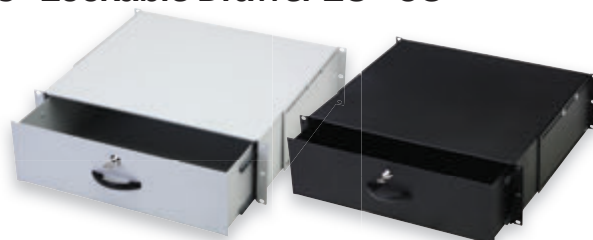
Reference	Color	Unit
TDN19KEYLT-BL	Black	1U
TDN19KEYLTW	White	

19" Blank Panel 1U - 2U - 3U - 4U



Reference	Color	Unit
TDN19BPN01-BL	Black	1U
TDN19BPN01W	White	
TDN19BPN02-BL	Black	2U
TDN19BPN02W	White	
TDN19BPN03-BL	Black	3U
TDN19BPN03W	White	
TDN19BPN04-BL	Black	4U
TDN19BPN04W	White	

19" Lockable Drawer 2U - 3U



Reference	Color	Unit
TDN19KEY2U-BL	Black	2U
TDN19KEY2UW	White	
TDN19KEY3U-BL	Black	3U
TDN19KEY3UW	White	

19" Blank Panel 3U With Locked Door



Reference	Color	Unit
TDN19BPD03-BL	Black	3U
TDN19BPD03W	White	

19" Blank Panel 4U With Locked Door



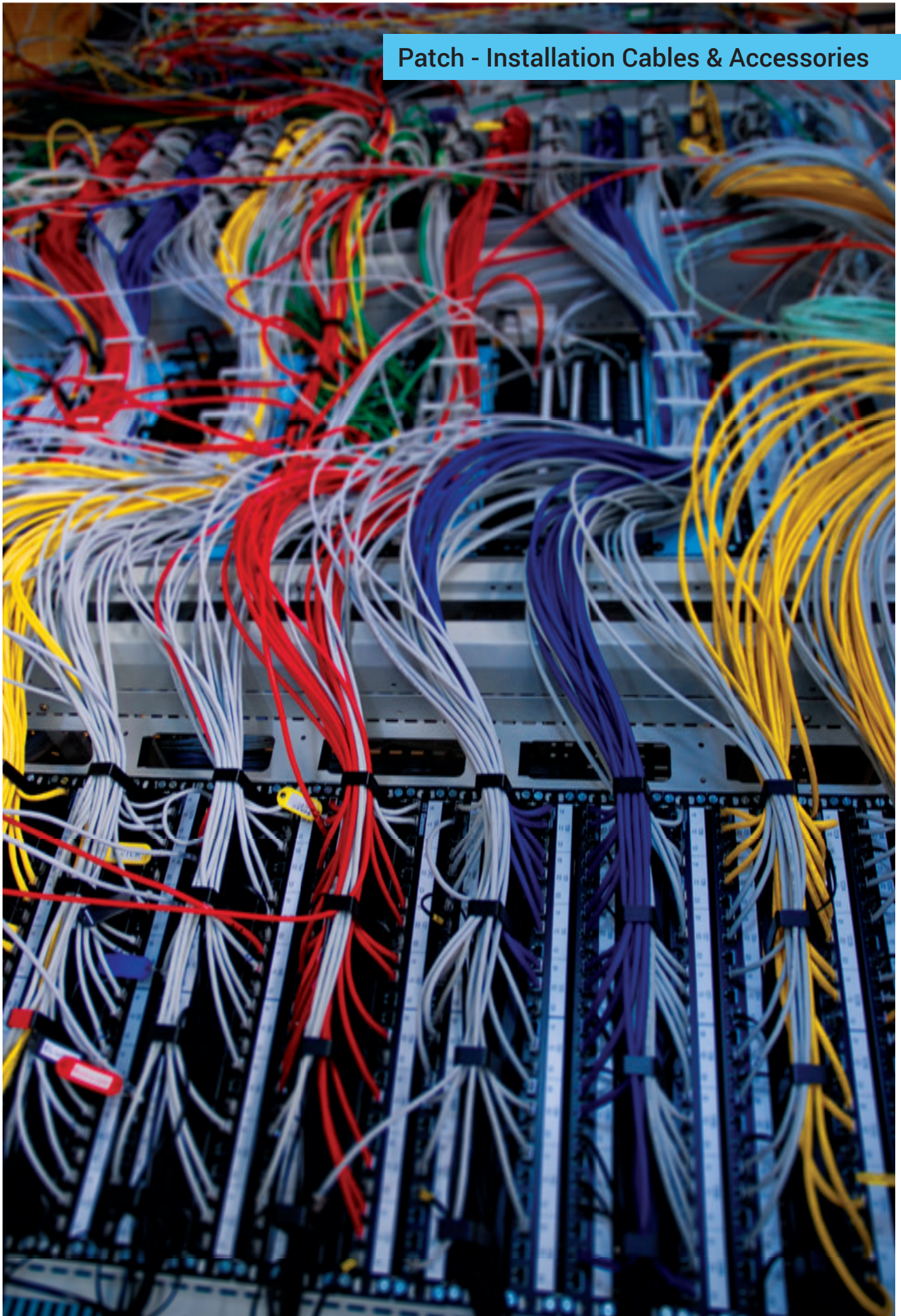
Reference	Color	Unit
TDN19BPD04-BL	Black	4U
TDN19BPD04W	White	

19" Screw Kit



Reference	Type	Pcs
TDN19SET		50x
TDN19SET1	Easy Clips	20x

Patch - Installation Cables & Accessories



Twisted Pair Elementary Concept

Modular connector is the name given to a family of electrical connectors originally used in telephone wiring and now used for many other purposes. Many applications that originally used a bulkier, more expensive connector have now migrated to modular connectors. Probably the most well known applications of modular connectors are for telephone jacks and for Ethernet jacks, both of which are nearly always modular connectors.

Modular connectors were originally used with the registered jack system, which precisely describes how the connectors are wired for telecommunications. The registered jack specifications define the wiring patterns of the jacks, not the physical dimensions or geometry of the connectors of either gender. Instead, these latter aspects are covered by ISO standard 8877, first used in ISDN systems. TIA/EIA-568 is a standard for data circuits wired on modular connectors.

Other systems exist for assigning signals to modular connectors; physical interchangeability of plugs and jacks does not ensure interoperation, nor protection from electrical damage to circuits. For example, modular cables and connectors have been used to supply low-voltage AC or DC power and no clear standard exists for this application

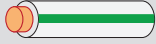
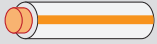
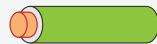
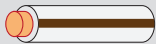
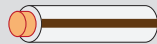
Info



UTP



FTP

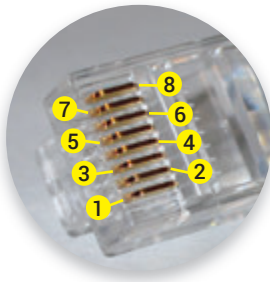
Pin	T568A Pair	TA568B Pair	1000BASE-T Signal ID	Wire	T568A Color	T568B Color
1	3	2	DA+	TIP	 WHITE/GREEN STRIPE	 WHITE/ORANGE STRIPE
2	3	2	DA-	RING	 GREEN SOLID	 ORANGE SOLID
3	2	3	DB+	TIP	 WHITE/ORANGE STRIPE	 WHITE/GREEN STRIPE
4	1	1	DC+	RING	 BLUE SOLID	 BLUE SOLID
5	1	1	DC-	TIP	 WHITE/BLUE STRIPE	 WHITE/BLUE STRIPE
6	2	3	DB-	RING	 ORANGE SOLID	 GREEN SOLID
7	4	4	DD+	TIP	 WHITE/BROWN STRIPE	 WHITE/BROWN STRIPE
8	4	4	DD-	RING	 BROWN SOLID	 BROWN SOLID

3 types of 10GBASE-T Cables

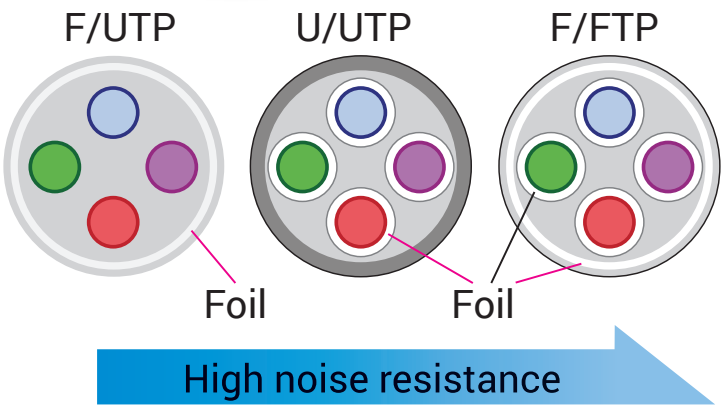
The “RJ45” physical connector is standardized as the IEC 60603-7 8P8C modular connector with different “categories” of performance, with all eight conductors present but 8P8C is commonly known as RJ45. The physical dimensions of the male and female connectors are specified in ANSI/TIA-1096-A and ISO-8877 standards and normally wired to the T568A and T568B pinouts specified in the TIA/EIA-568 standard to be compatible with both telephone and Ethernet.

A similar standard jack once used for modem/data connections, the RJ45S, used a “keyed” variety of the 8P8C body with an extra tab that prevents it mating with other connectors; the visual difference compared to the more common 8P8C is subtle, but it is a different connector. The original RJ45S keyed 8P2C modular connector had pins 5 and 4 wired for tip and ring of a single telephone line and pins 7 and 8 shorting a programming resistor, but is obsolete today.

Electronics catalogs commonly advertise 8P8C modular connectors as “RJ45”. An installer can wire the jack to any pin-out or use it as part of a generic structured cabling system such as ISO/IEC 15018 or ISO/IEC 11801 using RJ45 patch panels for both phone and data. Virtually all electronic equipment which uses an 8P8C connector (or possibly any 8P connector at all) will document it as an “RJ45” connector.



Pins on PPlug face
Socket is reversed



Patch Cable

UTP Patch Cable - Cat.5e

- Unshielded Cat.5e patch cable
- 4 x 2 AWG 26/7, twisted pair, 100 Ohm
- 2 x RJ45 Connector
- Boot with kink protection and strain relief

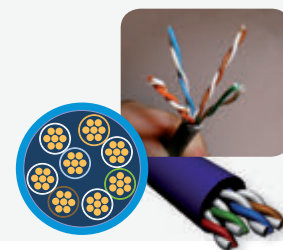
- Spot length on boot
- 3P Cat.5e certified



	Ivory	Red	Blue	Black	Green	White	Yellow	Orange
0,3 M	TCU55U003I	TCU55U003R						
0,5 M	TCU55U005I	TCU55U005R	TCU55U005B	TCU55U005BL	TCU55U005G	TCU55U005W	TCU55U005Y	
1 M	TCU55U010I	TCU55U010R	TCU55U010B	TCU55U010BL	TCU55U010G	TCU55U010W	TCU55U010Y	TCU55U010O
1,5 M	TCU55U015I	TCU55U015R	TCU55U015B	TCU55U015BL	TCU55U015G	TCU55U015W	TCU55U015Y	TCU55U015O
2 M	TCU55U020I	TCU55U020R	TCU55U020B	TCU55U020BL	TCU55U020G	TCU55U020W	TCU55U020Y	TCU55U020O
3 M	TCU55U030I	TCU55U030R	TCU55U030B	TCU55U030BL	TCU55U030G	TCU55U030W	TCU55U030Y	TCU55U030O
5 M	TCU55U050I	TCU55U050R	TCU55U050B	TCU55U050BL	TCU55U050G	TCU55U050W	TCU55U050Y	TCU55U050O
7,5 M	TCU55U075I	TCU55U075R	TCU55U075B	TCU55U075BL	TCU55U075G	TCU55U075W	TCU55U075Y	
10 M	TCU55U100I	TCU55U100R	TCU55U100B	TCU55U100BL	TCU55U100G	TCU55U100W	TCU55U100Y	
15 M	TCU55U150I	TCU55U150R	TCU55U150B	TCU55U150BL	TCU55U150G	TCU55U150W	TCU55U150Y	
20 M	TCU55U200I	TCU55U200R	TCU55U200B	TCU55U200BL	TCU55U200G	TCU55U200W	TCU55U200Y	
25 M	TCU55U250I							
30 M	TCU55U300I	TCU55U300R	TCU55U300B	TCU55U300BL	TCU55U300G	TCU55U300W	TCU55U300Y	
50 M	TCU55U500I	TCU55U500R				TCU55U500W		
100 M	TCU55U1000I							

UTP

Un câble UTP est conçu de câble en cuivre isolé dans une gaine unique. Il est généralement utilisé dans une réseau local et dans connection téléphonique. Il n'est pas aussi solide et rapide qu'un câble coax ou d'une fibre optique, mais c'est un câble bon marché est facile à manipuler.



UTP Patch Cable - Cat.6

- Unshielded Cat.6 patch cable
- 4 x 2 AWG 26/7, twisted pair, 100 Ohm
- 2 x RJ45 Connector
- Boot with kink protection and strain relief

- Spot length on boot
- 3P Cat.6 certified



	Ivory	Red	Blue	Black	Green	White	Yellow	Orange
0,15 M	TCU66U0015I	TCU66U0015R	TCU66U0015B	TCU66U0015BL	TCU66U0015G	TCU66U0015W	TCU66U0015Y	TCU66U0015O
0,3 M	TCU66U003I	TCU66U003R	TCU66U003B	TCU66U003BL	TCU66U003G	TCU66U003W	TCU66U003Y	TCU66U003O
0,5 M	TCU66U005I	TCU66U005R	TCU66U005B	TCU66U005BL	TCU66U005G	TCU66U005W	TCU66U005Y	
1 M	TCU66U010I	TCU66U010R	TCU66U010B	TCU66U010BL	TCU66U010G	TCU66U010W	TCU66U010Y	TCU66U010O
1,5 M	TCU66U015I	TCU66U015R	TCU66U015B	TCU66U015BL	TCU66U015G	TCU66U015W	TCU66U015Y	TCU66U015O
2 M	TCU66U020I	TCU66U0120R	TCU66U020B	TCU66U020BL	TCU66U020G	TCU66U020W	TCU66U020Y	TCU66U020O
3 M	TCU66U030I	TCU66U030R	TCU66U030B	TCU66U030BL	TCU66U030G	TCU66U030W	TCU66U030Y	TCU66U030O
5 M	TCU66U050I	TCU66U050R	TCU66U050B	TCU66U050BL	TCU66U050G	TCU66U050W	TCU66U050Y	TCU66U050O
7 M	TCU66U070I	TCU66U070R	TCU66U070B	TCU66U070BL	TCU66U070G	TCU66U070W	TCU66U070Y	TCU66U070O
10 M	TCU66U100I	TCU66U100R	TCU66U100B	TCU66U100BL	TCU66U100G	TCU66U100W	TCU66U100Y	TCU66U100O
15 M	TCU66U150I	TCU66U150R	TCU66U150B	TCU66U150BL	TCU66U150G	TCU66U150W	TCU66U150Y	TCU66U150O
20 M	TCU66U200I	TCU66U200R	TCU66U200B	TCU66U200BL	TCU66U200G		TCU66U200Y	
25 M	TCU66U250I							
30 M	TCU66U300I		TCU66U300B	TCU66U300BL	TCU66U300G		TCU66U300Y	

Patch Cables

FTP Patch Cable - Cat.5e

- Foil shielded Cat.5e patch cable
- 4 x 2 AWG 26/7, twisted pair, 100 ohm
- 2 x RJ45 shielded connectors
- Conform with EIA / TIA 568

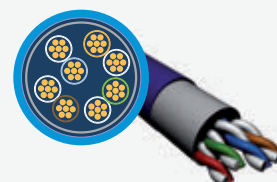
- PVC sheath
- In individual package



	Ivory	Red	Blue	Black	Green	Violet	Yellow	Orange	Pink
0,15 M	TCR55SS0015I	TCR55SS0015R	TCR55SS0015B	TCR55SS0015BL	TCR55SS0015G	TCR55SS0015V	TCR55SS0015Y	TCR55SS0015O	
0,25 M	TCR55SS0025I								
0,3 M		TCR55SS003R							
0,5 M	TCR55SS005I	TCR55SS005R	TCR55SS005B		TCR55SS005G	TCR55SS005V	TCR55SS005Y		TCR55SS005P
1 M	TCR55SS010I	TCR55SS010R	TCR55SS010B	TCR55SS010BL	TCR55SS010G	TCR55SS010V	TCR55SS010Y		TCR55SS010P
1,5 M	TCR55SS015I	TCR55SS015R	TCR55SS015B		TCR55SS015G	TCR55SS015V	TCR55SS015Y		
2 M	TCR55SS020I	TCR55SS020R	TCR55SS020B	TCR55SS020BL	TCR55SS020G	TCR55SS020V	TCR55SS020Y		TCR55SS020P
3 M	TCR55SS030I	TCR55SS030R	TCR55SS030B	TCR55SS030BL	TCR55SS030G	TCR55SS030V	TCR55SS030Y		TCR55SS030P
5 M	TCR55SS050I	TCR55SS050R	TCR55SS050B	TCR55SS050BL	TCR55SS050G	TCR55SS050V	TCR55SS050Y		TCR55SS050P
7,5 M	TCR55SS075I	TCR55SS075R	TCR55SS075B		TCR55SS075G		TCR55SS075Y		
10 M	TCR55SS100I	TCR55SS100R	TCR55SS100B		TCR55SS100G		TCR55SS100Y		
15 M	TCR55SS150I	TCR55SS150R	TCR55SS150B		TCR55SS150G		TCR55SS150Y		
20 M	TCR55SS200I	TCR55SS200R	TCR55SS200B						
30 M	TCR55SS300I			TCR55SS300BL					
50 M	TCR55SS500I								

FTP

FTP désigne "Foiled twisted pair", c'est à dire paire de cable tressés enroulé d'une feuille d'aluminium.
Le cable FTP est plus résistant et solide que le UTP.
Il souvent est utilisé dans des environnements ou il y a beaucoup d'interference électromagnétique.



F-UTP Patch Cable Cat.6a

- Foil shielded Cat.6a patch cable
- 4 x 2 AWG 26/7, twisted pair, 100 ohm
- 2 x RJ45 shielded connectors
- Conform with EIA / TIA 568

- PVC sheath
- In individual package



	Ivory	Red	Blue	Black	Green	Violet	Yellow	Orange	White
0,3 M	TCF66F003I	TCF66F003R	TCF66F003B	TCF66F003BL	TCF66F003G	TCF66F003V	TCF66F003Y	TCF66F003O	TCF66F003W
0,5 M	TCF66F005I	TCF66F005R	TCF66F005B	TCF66F005BL	TCF66F005G	TCF66F005V	TCF66F005Y	TCF66F005O	TCF66F005W
1 M	TCF66F010I	TCF66F010R	TCF66F010B	TCF66F010BL	TCF66F010G	TCF66F010V	TCF66F010Y	TCF66F010O	TCF66F010W
1,5 M	TCF66F015I	TCF66F015R	TCF66F015B	TCF66F015BL	TCF66F015G	TCF66F015V	TCF66F015Y	TCF66F015O	TCF66F015W
2 M	TCF66F020I	TCF66F020R	TCF66F020B	TCF66F020BL	TCF66F020G	TCF66F020V	TCF66F020Y	TCF66F020O	TCF66F020W
3 M	TCF66F030I	TCF66F030R	TCF66F030B	TCF66F030BL	TCF66F030G	TCF66F030V	TCF66F030Y	TCF66F030O	TCF66F030W
5 M	TCF66F050I	TCF66F050R	TCF66F050B	TCF66F050BL	TCF66F050G	TCF66F050V	TCF66F050Y	TCF66F050O	TCF66F050W
7,5 M	TCF66F075I	TCF66F075R	TCF66F075B	TCF66F075BL	TCF66F075G	TCF66F075V	TCF66F075Y	TCF66F075O	TCF66F075W
10 M	TCF66F100I	TCF66F100R	TCF66F100B	TCF66F100BL	TCF66F100G	TCF66F100V	TCF66F100Y	TCF66F100O	TCF66F100W
15 M	TCF66F150I	TCF66F150R	TCF66F150B	TCF66F150BL	TCF66F150G	TCF66F150V	TCF66F150Y	TCF66F150O	TCF66F150W
20 M	TCF66F200I	TCF66F200R	TCF66F200B	TCF66F200BL	TCF66F200G	TCF66F200V	TCF66F200Y	TCF66F200O	TCF66F200W
25 M	TCF66F250I	TCF66F250R	TCF66F250B	TCF66F250BL	TCF66F250G	TCF66F250V	TCF66F250Y	TCF66F250O	TCF66F250W
30 M	TCF66F300I	TCF66F300R	TCF66F300B	TCF66F300BL	TCF66F300G	TCF66F300V	TCF66F300Y	TCF66F300O	TCF66F300W

Patch Cables

SSTP/PIMF Patch Cable - Cat.6

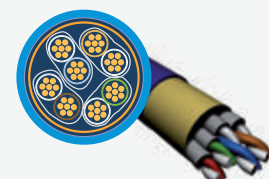
- Pairs with foil and full braid shielding (PIMF)
- 4 x 2 AWG 26/7, twisted pair, 100 ohm
- 2 x RJ45 shielded connectors
- Conform with EIA / TIA 568
- PVC sheath
- In individual package



	Ivory	Red	Blue	Black	Green	Violet	White	Yellow	Orange
0,15 M	TCR66SS0015I	TCR66SS0015R	TCR66SS0015B	TCR66SS0015BL	TCR66SS0015G			TCR66SS0015Y	
0,3 M	TCR66SS003I								
0,5 M	TCR66SS005I	TCR66SS005R	TCR66SS005B		TCR66SS005G	TCR66SS005V	TCR66SS005WH*	TCR66SS005Y	TCR66SS005O *
1 M	TCR66SS010I	TCR66SS010R	TCR66SS010B	TCR66SS010BL	TCR66SS010G			TCR66SS010Y	TCR66SS010O *
1,5 M	TCR66SS015I	TCR66SS015R		TCR66SS015BL	TCR66SS015G			TCR66SS015Y	TCR66SS015O*
2 M	TCR66SS020I	TCR66SS020R	TCR66SS020B	TCR66SS020BL	TCR66SS020G	TCR66SS020V	TCR66SS020WH	TCR66SS020Y	TCR66SS020O *
3 M	TCR66SS030I	TCR66SS030R	TCR66SS030B	TCR66SS030BL	TCR66SS030G		TCR66SS030WH	TCR66SS030Y	TCR66SS030O *
5 M	TCR66SS050I	TCR66SS050R	TCR66SS050B	TCR66SS050BL	TCR66SS050G		TCR66SS050WH	TCR66SS050Y	TCR66SS050O*.
7 M	TCR66SS070I	TCR66SS070R	TCR66SS070B		TCR66SS070G			TCR66SS070Y	
10 M	TCR66SS100I	TCR66SS100R	TCR66SS100B		TCR66SS100G	TCR66SS100V	TCR66SS100WH	TCR66SS100Y	
15 M	TCR66SS150I	TCR66SS150R	TCR66SS150B		TCR66SS150G		TCR66SS150WH	TCR66SS150Y	
20 M	TCR66SS200I	TCR66SS200R	TCR66SS200B	TCR66SS200BL	TCR66SS200G		TCR66SS200WH	TCR66SS200Y	
30 M	TCR66SS300I	TCR66SS300R	TCR66SS300B	TCR66SS300BL			TCR66SS300WH	TCR66SS300Y	

SSTP/PIMF

Le S/STP et PIMF est composé de paire tressé enroulé d'une feuille en aluminium et possède un blindage supplémentaire. Les paires tressées sont isolé individuellement pour une protection maximale et un minimum de pertes de diaphonie.



SSTP/PIMF LSOH Patch Cable - Cat.6a

- 500 Mhz
- 4 x 2 AWG 26/7, twisted pair, 100 Ohm
- Spot length on boot
- 3P Cat. 6a certified



	Ivory	Red	Blue	Black	Green	Violet	White	Yellow	Orange
0,3 m		TCR6ASS003R							
0,5 m	TCR6ASS005I	TCR6ASS005R	TCR6ASS005B	TCR6ASS005BL	TCR6ASS005G	TCR6ASS005V	TCR6ASS005WH	TCR6ASS005Y	TCR6ASS005O
1 m	TCR6ASS010I	TCR6ASS010R	TCR6ASS010B	TCR6ASS010BL	TCR6ASS010G	TCR6ASS010V	TCR6ASS010WH	TCR6ASS010Y	TCR6ASS010O
2 m	TCR6ASS020I	TCR6ASS020R	TCR6ASS020B	TCR6ASS020BL	TCR6ASS020G	TCR6ASS020V	TCR6ASS020WH	TCR6ASS020Y	TCR6ASS020O
3 m	TCR6ASS030I	TCR6ASS030R	TCR6ASS030B	TCR6ASS030BL	TCR6ASS030G	TCR6ASS030V	TCR6ASS030WH	TCR6ASS030Y	TCR6ASS030O
5 m	TCR6ASS050I	TCR6ASS050R	TCR6ASS050B	TCR6ASS050BL	TCR6ASS050G	TCR6ASS050V	TCR6ASS050WH	TCR6ASS050Y	TCR6ASS050O
7 m	TCR6ASS070I								
10 m	TCR6ASS100I	TCR6ASS100R	TCR6ASS100B	TCR6ASS100BL	TCR6ASS100G	TCR6ASS100V	TCR6ASS100WH	TCR6ASS100Y	TCR6ASS100O
15 m	TCR6ASS150I								
20 m	TCR6ASS200I								
25 m	TCR6ASS250I								
30 m	TCR6ASS300I								

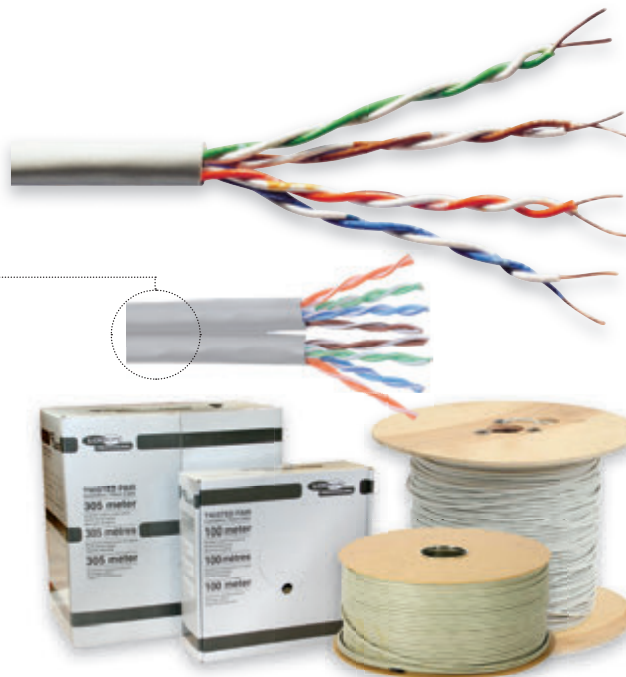
Installation Cables

Cat.5e UTP Solid Unshielded Cable

- Unshielded Cat.5e installation cable
- 4 x 2 AWG 24/1, light PVC
- Impedance: 100±15%
- ETL Verified To EIA/TIA-568-B ROHS
- Meter marking

Duplex Cable

Reference	Length	Categorie	Contents
LBC5UTPSO	100m	Cat.5e	Aluminium & Copper
LBCC5UTPSO	100m	Cat.5e	Copper
LBC5UTP305	305m	Cat.5e	Aluminium & Copper
LBCC5UTP305	305m	Cat.5e	Copper
LBC5UTP500	500m	Cat.5e	Aluminium & Copper
LBCC5UTP500	500m	Cat.5e	Copper
LBC5UTP500D	500m Duplex	Cat.5e	Aluminium & Copper
LBCC5UTP1000	1000m	Cat.5e	Copper



Cat.5e F-UTP Solid Unshielded Cable

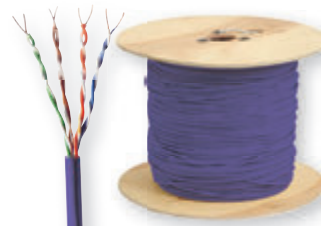
- Unshielded Cat.5e installation cable
- 4 x 2 AWG 24/1, light PVC
- Impedance: 100±15%
- ETL Verified To EIA/TIA-568-B ROHS
- Meter marking



Reference	Length	Categorie	Contents
LBCC5FUTP305	305m	Cat.5e	Aluminium & Copper
LBCC5FUTP500	500m	Cat.5e	Aluminium & Copper

Cat.6 F-UTP Solid Unshielded Cable

- Unshielded Cat.6 installation cable
- 4 x 2 AWG 24/1, light PVC
- Impedance: 100±15%
- ETL Verified To EIA/TIA-568-B ROHS
- Meter marking

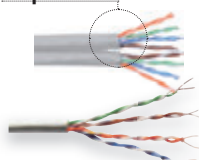


Reference	Length	Categorie	Contents
LBCC6FUTP305	305m	Cat.6	Aluminium & Copper
LBCC6FUTP500	500m	Cat.6	Aluminium & Copper

Cat.6 - Cat.6a UTP Solid Unshielded Cable

- Unshielded Cat.6 installation cable
- 4 x 2 AWG 24/1, light PVC
- Impedance: 100±15%
- ETL Verified To EIA/TIA-568-B ROHS
- Meter marking

Duplex Cable



Reference	Length	Categorie	Contents
LBCC6UTPSO	100m	Cat.6	Copper
LBC6UTP305	305m	Cat.6a	Aluminium & Copper
LBCC6UTP305	305m	Cat.6	Copper
LBC6UTP500	500m	Cat.6	Aluminium & Copper
LBC6UTP500D	500m Duplex	Cat.6	Aluminium & Copper
LBCC6AUTP305	305m	Cat.6a	Copper
LBCC6AUTP500	500m	Cat.6a	Copper

RJ45 Boots

- Kink Protection Sleeves
- For 8P8C modular plugs, yellow
- Modular plugs, not for Hirose



Reference	Color
TWPCBOOTB	Black
TWPCBOOTG	Grey
TWPCBOOTN	Green
TWPCBOOTR	Red
TWPCBOOTU	Blue
TWPCBOOTY	Yellow

RJ45 Connector Shielded & Unshielded



Reference	Nr.	Category / Type	Guide
TWP8P8CR	1	Cat.5e / Unshielded	No
TWP8P8CR-6	2	Cat.6 / Unshielded	Yes
TWP8P8CRIN	3	Cat.5e / Unshielded	Yes
TWP8P8CRIN-5	4	Cat.5e / Shielded	Yes
TWP8P8CRIN-6	5	Cat.6 / Shielded	Yes
TWP8P8CSRS	6	Cat.5e / Shielded	No
TWP8P8CSRS-6	7	Cat.6 / Shielded	No
TWP8P8SRS6	8	Cat.6 / Shielded + Boot	No

RJ45 Toolless Connector

- Cat.5e UTP
- Toolless



Reference	Type
TWP8P8TP	Cat.5e Unshielded
Also available in Cat.6 & Cat.6a Shielded and Unshielded	

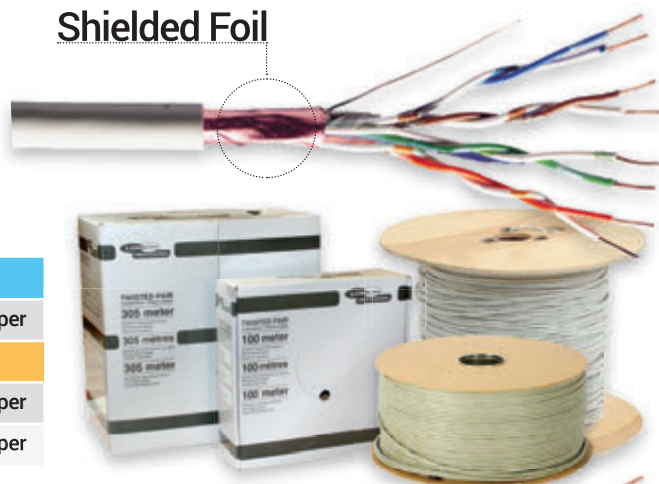
Installation Cables

Cat.5e FTP Solid Shielded Cable

- Shielded Cat.5e installation cable
- 4x 2 AWG 24/1, light PVC
- Impedance: 100±15%
- ETL Verified To EIA/TIA-568-B ROHS
- Meter marking

Reference	Length	Categorie	Contents
LBC5FTP100	100m	Cat.5e	Aluminium & Copper
LBCC5UTP305	305m	Cat.5e	Copper
LBC5FTP305	305m	Cat.5e	Aluminium & Copper
LBC5FTP500	500m	Cat.5e	Aluminium & Copper

Shielded Foil



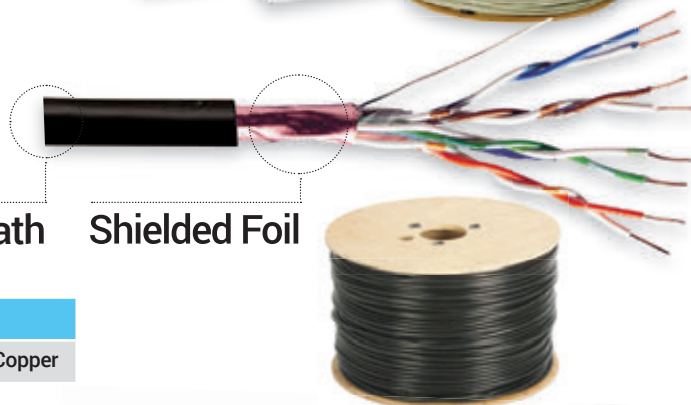
Cat.5e FTP Solid Shielded Outdoor Cable

- Shielded Cat.5e outdoor installation cable
- 4x 2 AWG 24/1, light PVC
- Impedance: 100±15%
- ETL Verified To EIA/TIA-568-B ROHS
- Meter marking

Reference	Length	Categorie	Contents
LBC5FTP500OUT	500m	Cat.5e	Aluminium & Copper

Outdoor sheath

Shielded Foil



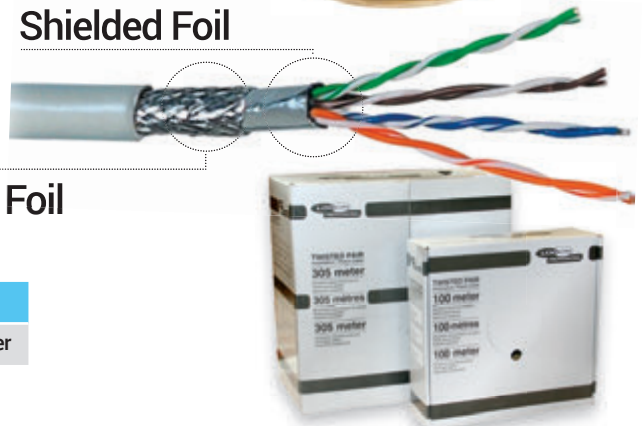
Cat.5e S-FTP Solid Double Shielded Cable

- Double Shielded Cat.5e outdoor installation cable
- 4x 2 AWG 24/1, light PVC
- Impedance: 100±15%
- ETL Verified To EIA/TIA-568-B ROHS
- Meter marking

Reference	Length	Categorie	Contents
LBC5SFTP100	100m	Cat.5e	Aluminium & Copper

Shielded Foil

Double Twisted Foil



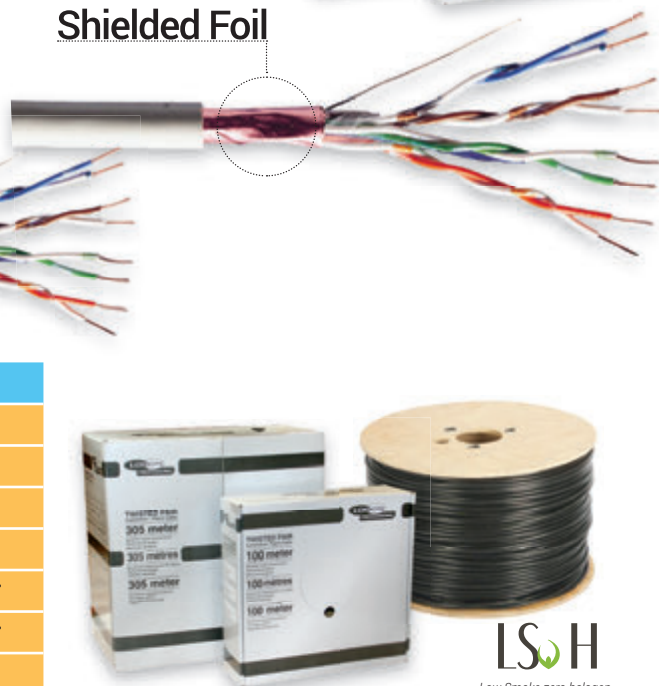
Cat.6 - Cat.6a FTP Solid Shielded Cable LSOH

- Shielded Cat.6 - Cat.6a outdoor installation cable
- 4x 2 AWG 24/1, light PVC
- Impedance: 100±15%
- ETL Verified To EIA/TIA-568-B ROHS
- Meter marking

Outdoor sheath Shielded Foil

Reference	Length	Categorie	Contents
LBCC6ASSTPSO	100m	Cat.6a	Copper
LBCC6SUTP305SO	305m	Cat.6	Copper
LBCC6SUTP500SO	500m	Cat.6	Copper
LBCC6ASUTP500	500m	Cat.6a	Copper
LBCC6AFTP5000U	500m	Cat.6a	Copper - Outdoor
LBCC6ASFTP5000	500M	Cat.6A	Copper - Outdoor
LBCC6SUTP1000S	1000m	Cat.6	Copper

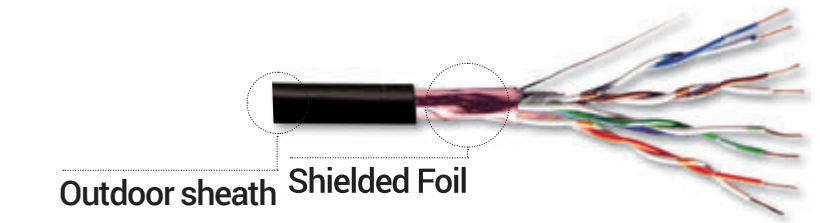
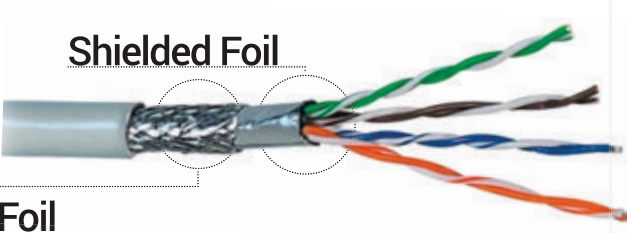
Shielded Foil



Installation Cables

Cat.6a S-FTP Solid Double Shielded Cable LSOH

- Double shielded Cat.6a in & outdoor installation cable
- 4x 2 AWG 24/1, light PVC
- Impedance: 100±15%
- ETL Verified To EIA/TIA-568-B ROHS
- Meter marking



Reference	Length	Categorie	Contents
LBCC6ASFTP5000	500m	Cat.6a	Copper - Outdoor

Cat.5e UTP Stranded Unshielded Cable

- Unshielded Cat.5e Stranded installation cable
- 4x 2 AWG 24/1, light PVC
- Impedance: 100±15%
- ETL Verified To EIA/TIA-568-B ROHS
- Meter marking

Reference	Length	Categorie	Contents
LBC5UTPST	100m	Cat.5e	Aluminium & Copper
LBC5UTP305ST	305m	Cat.5e	Aluminium & Copper

Cat.6a FTP Stranded Shielded Cable LSOH

- Unshielded Cat.6a Stranded installation cable
- 4x 2 AWG 26/7, light PVC / Impedance: 100±15%
- ETL Verified To EIA/TIA-568-B ROHS / Meter marking

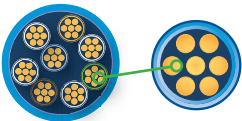
Reference	Length	Color	Categorie	Contents
LBCC6AFTPST	100m		Cat.6a	Copper
LBCC6AFTPST-BL	100m		Cat.6a	Copper
LBCC6AFTPST-G	100m		Cat.6a	Copper
LBCC6AFTPST-R	100m		Cat.6a	Copper
LBCC6AFTPST-Y	100m		Cat.6a	Copper



LSZH ou LSOH, c'est à dire "Low Smoke Halogen" est un cable dont la gaine est composé thermoplastic et sert a bloquer les émission toxic quand le câble est exposé à de forte température.
Le cable "Low Smoke Halogen" est conçu de polypropylene, qui réduit l'émission de gaz toxic et corrosif durant la combustion.

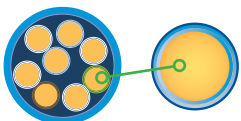
Stranded Cable

• Un **câble Stranded** est conçu de plusieurs fils de petit calibre placé dans un machon isolant séparés. Il est plus flexible et convient parfaitement pour concevoir des cables Patch.



Solid Cable

• Un **câble Solid** à un calibre plus épais dans le machon isolant. Il a de meilleures performances électriques que le Stranded et est principalement utilisé comme câble d'installation dans les murs et goulottes.



Patch Panel

8 - 12 - 24 Port Cat.6a

- RJ45 Patch Panel Category 6A 10G Class EA 500 MHz
- ISO/IEC 11801 and TIA/EIA 568C.2
- Steel housing
- RAL7035 light grey



Cat 6

8 Port	12 Port	24 Port
TPP08S6A	TPP12S6A	TPP24S6

12 Port Cat.5e Unshielded

- Housing 1.5 mm thickness aluminium
- IDC PC UL 94V-0, Accept 22-26 AWG Solid Cable
- PCB: FR-4 1.6mm thickness, 2 layer
- Contact: 0.45 mm Phosphor Bronze with 50u" Gold Plating on contact area
- According to UL 1863



Cat 5e

12 Port Cat.5e Unshielded
TPP12RU

24 Port Cat.5e Unshielded

- ISO/IEC 11801 and EN 50173
- Cable installation via LSA strips, color codes based on EIA/TIA 568 A & B



Cat 5e

24 Port Cat.6 Unshielded

- ISO/IEC 11801 and EN 50173
- Cable installation via LSA strips, color codes based on EIA/TIA 568 A & B



Cat 6

24 Port Cat.6 Unshielded
LPP105

24 Port Cat.6 Shielded

- ISO/IEC 11801 and EN 50173
- Cable installation via LSA strips, color codes based on EIA/TIA 568 A & B



Cat 6

24 Port Cat.6 Shielded
LPP100

48 Port Cat.5e/6 Unshielded

- ISO/IEC 11801 and EN 50173
- Cable installation via LSA strips, color codes based on EIA/TIA 568 A & B



Cat 5e Cat 6

24 Port Cat.6 Shielded

- ISO/IEC 11801 and EN 50173
- Cable installation via LSA strips, color codes based on EIA/TIA 568 A & B



Cat 6

24 Port Cat.6 Shielded
TPP24S

24 Port Cat.6 Unshielded

- Meeting the TIA/EIA-568-B.2-1, ISO/IEC 11801 and EN 50173-1 Specification
- T568A & B wiring and Easy Installation
- Writable and Erasable Marking Surfaces for Each Port on the Front Panel



Cat 6

24 Port Cat.6 LED	Remote LED
TPP24RU6LED	TPPLED

Patch Panel Dummy Plug

- RJ45 Dummy Plug
- 100pc/pack



LSA Punch Tools for LSA Strips

- For Krone Type Insertion Tools



LSA Punch Tools for LSA Strips
THTLSA+

LSA Punch Tools for LSA Strips

- For Krone Type Insertion Tools
- With Sensor



LSA Punch Tools for LSA Strips
THTISAK

Keystone Adapter

Cat.5e Unshielded Keystone

- Cable installation via LSA strips

Unshielded
TMWRJ40CA



Cat.5e Unshielded Keystone

- Cable installation via LSA strips

Unshielded
DN93502



Cat.6 Unshielded Keystone

- Cable installation via LSA strips

Unshielded
DN93601



Cat.6 Unshielded Keystone

- Cable installation via LSA strips

Unshielded
DN93603



Cat.5e Unshielded Keystone

- Cable installation via LSA strips

Unshielded
LKS225



Cat.6 Unshielded Keystone

- Cable installation via LSA strips

Unshielded
LKS220



Cat.6a Shielded Keystone

- Cable installation via LSA strips
- Toolless

Shielded
LKS230



Cat.6 Unshielded Keystone

- Cable installation via LSA strips
- Toolless

Unshielded
LKS235



Cat.5e Shielded Keystone

- Cable installation via LSA strips

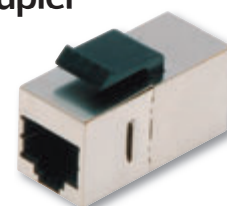
Shielded
TMWRJ45CA



Cat.5e Shielded Keystone Coupler

- 2x RJ45 socket
- Shielded

Shielded
DN93513



Cinch/RCA Ring Keystone

- Mounting depth: 22.5mm
- 2x cinch male, colour codes



White Ring	Yellow Ring	Red Ring
LKS001	LKS090	LKS005
LKS085	LKS015	LKS095

3,5mm Stereo Keystone

- Mounting depth: 22.5mm
- 2x 3.5mm stereo male



3,5mm Stereo
LKS010
LKS100

HDMI Stereo Keystone

- Mounting depth: 23mm
- 2x HDMI type A male



HDMI
LKS030
LKS105

USB 2.0 Keystone Adapter

- Mounting depth: 23mm
- 2x USB 2.0 type A male



USB 2.0 Type A
LKS025
LKS080

USB 2.0 Keystone Adapter

- Mounting depth: 25mm
- Both sided snap in



USB 2.0 Type A - B
LKS020

USB 3.0 Keystone Adapter

- Mounting depth: 32mm
- 2x USB 3.0 type A male



USB 3.0 Type A
LKS075

Keystone Patch Panel

16 port Keystone Patchpanel

- Standard 19" rack mount size
- 1U

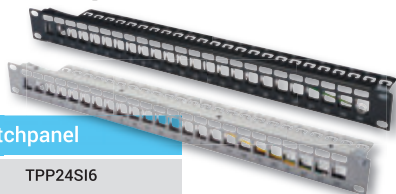


16 port Keystone Patchpanel

TPP16SI

24 port Keystone Patchpanel

- Standard 19" rack mount size
- 1U - Grounded - Shielded



24 port Keystone Patchpanel

TPP24SIB

TPP24SI6

1 & 2 port Keystone DIN - Rail



1 port

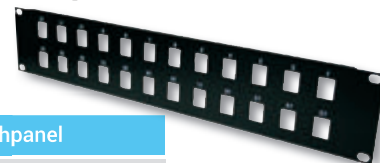
2 port

LKS200

LKS205

24 port Keystone Patchpanel

- Standard 19" rack mount size
- 2U



24 port Keystone Patchpanel

TPP24SI

32 port Keystone Patchpanel

- Standard 19" rack mount size
- 3U



32 port Keystone Patchpanel

TPP32SI

6 & 9 port Keystone DIN - Rail



6 port

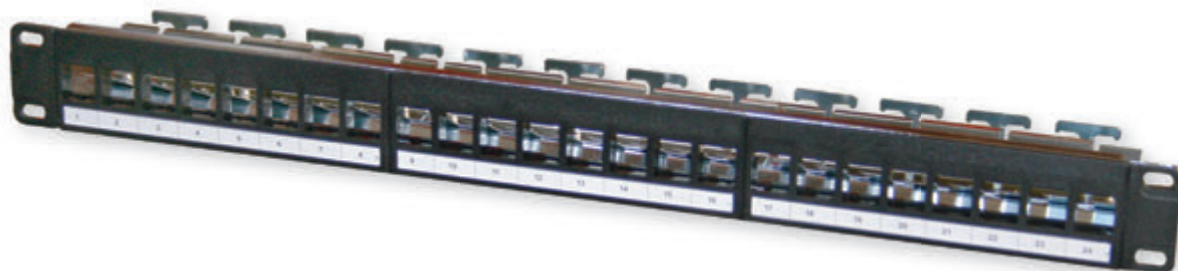
9 port

LKS210

LKS215

24 port Keystone Patchpanel Shielded

- Standard 19" rack mount size
- 1U



UTP/FTP

LKS335

FTP

LKS340

24 port Keystone Patchpanel Unshielded

- Standard 19" rack mount size
- 1U



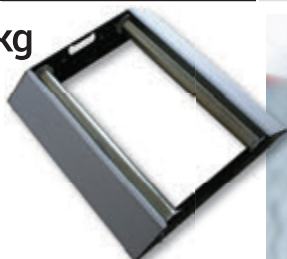
24 port Keystone Patchpanel Unshielded

TPP24SIN

TPP24SING

Cable Drum Roller - Max 175kg

- The new cable splicers are designed for intensive daily use
- The front and back are made of aluminum profiles with anti-slip grooves, the sides are made of galvanized powder coated steel



Reference

Max. weight

Max. drum

Max. drum

LBCROLLER

175kg

1200mm

560mm

Measurement Tools

RJ45 /11/12 Cable Tester

- Test UTP/STP cable
- Shielded/Unshielded
- For testing Rj45/ Rj12/Rj11
- Test patch panel / wallmount



RJ45/11/12 Cable Tester

TCT001

RJ45 /11/12 Cable Tester

- Test the correct pin config. of 10Base-T 10Base-2 Thin Ethernet cable, RJ45/RJ11 modular cables 356A, TIA-568A/568B
- Can test the grounding



RJ45/11/12 Cable Tester

TCHT025

RJ45/11/12& BNC Cable Tester

- Cable Tester for RJ11/RJ12/RJ45 & BNC
- Master & remote unit
- Suitable for Patch- and BNC cables



RJ45/11/12 & BNC Cable Tester

WZ0011

RJ45 Cable Tester With ID

- Cable tester with sound generator
- Network tester and port ID finder
- Manual or automatic test execution
- Continuity, assignment, shielding, pairing as per EIA/TIA 356A / 568A / 568B /
- Token Ring
- 2-digit, 7-segment display shows the ID for the selected remote unit
- Display of the network type and network speed
- Terminator loopback test, cable measurement with up to 25 remote units
- Automatic cable identification
- Package includes 25 remote ID modules



RJ45 Cable Tester With ID

TCT3000

RJ45 Cable / Distance Tester

- Check open circuit, short circuit, jumper wire, reverse connection or cross-talk interference
- Locates the wiring or connection error
- Measures cable length and determines the distance of open circuit and short circuit
- Dynamically calibrates cable length and makes length measurement as accurate as 97%
- Portable unit with long battery life (wait-case 50 hours)
- Automatically time-delay shut off
- Measures length and pair with or without far-end recognizer



RJ45 Cable / Distance Tester

TCT1410

RJ45 Cable / Distance Tester

- Can be used to test the open circuit, across butt joint, separate butt joint and reverse butt joint for 5E/6E UTP /STP twisted-pair, coaxial cable and telephone wire
- Position the error of connection wires
- Test the connectivity of cable separately
- The testing precision of length is up to 98%
- Measure the length of cable and determine the point of open circuit
- Test from 5m to 450m



RJ45 Cable / Distance Tester

TCT1420

RJ45 Passive Cable Tester

- Incorporates of TDR Technology
- Tests for shorts, opens, miss-wires, reversals, split pairs, and shield continuity
- Built-in PORTfinder to locate corresponding sockets on hub/switch
- Measures length on UTP/STP cable without remotes
- Velocity of Propagation Adjustable Calibrate ability for non-standard cables to increase measuring accuracy
- Tone Generator sends signals to either all or selected pin conductor/s.
- Test results displayed in pin-to-pin



RJ45 Passive Cable Tester

TCTH005

Giga X Network Tester

- Maps any existing network layout quickly
- Identifies 10/100/1000BASE-T or BASE-Tx
- Testing while network is Online or Offline
- Measure cable length by each pair in meters
- Test cable for open or short at the same time
- Battery operated, compact and easy to use



Giga X Network Tester

TCTH045

Network Tool Set

- 1x LSA Punch Down Tool WZ0001A
- 1x Modular Crimping Tool 8P8C WZ0004
- 1x Stripper Tool WZ0005
- 1x Cable Tester for RJ11&RJ12&RJ45 WZ0010



Network Tool Set

WZ0012

Measurement Tools

Cable Tracker / Tone Generator

- Judges continuity of the cables or wires
- Tracks the cables or wires, and diagnoses the break point
- Receives the tone signal on the cables or wires
- Identifies the state in the working telephone line
- Sends a single solid tone or a dual alternating tone to the object cables or wires



Cable Tracker / Tone Generator

TCT1400

Cable Tracker / Tone Generator

- Cable Tester for UTP STP RJ45
- Judge continuity of the cables or wires
- Track the cables or wires, and diagnose the break point
- Receiver the tone signal on the cables or wires (telephone line)
- Identify the state in the working telephone line (clear ring, busy)
- Send a single solid tone or a dual alternating tone to the object cables or wires



Cable Tracker / Tone Generator

TCT1406

Cable Tracker / Tone Generator

- Traces and identifies wires or cable in a bundle or group without damaging cable insulation
- Adjustable volume level for various work environments
- Both amplifier and LED for loud or dark work environments
- Can work with any existing analog tone generator in the market



Cable Tracker / Tone Generator

TCTH035

SmartTone & SmartProbe Kit

- Uses digital signal technology, avoiding noise and false signals
- Traces and identifies cables quickly and accurately
- Identifies cables in bundles or at patch panels
- Sends digital tones in two distinct modes: one-note tone and two-note tone
- Can use probe to trace traditional 1K Hz analog tone
- Cable map: pin to pin test for cable opened/shorted/reversed/crossed/miss-wired
- Cable continuity test: open/continuity
- Telephone service and polarity test: + polarity; - polarity; ringing
- Probe has an adjustable speaker volume level suitable for various work environments
- Auto Power-off and low battery indicator



SmartTone & SmartProbe Kit

TCTH040

PoE Finder

- Check the existence of PoE in a second
- Identifies the type of PSE, whether the PoE Voltage is detected on the pair 12-36 (EndSpan), or on the 45-78 (MidSpan)
- Compliant with IEEE802.3af standard
- Compact design, easy to plug and read
- The POEfinder is designed with both jack and plug, so no extra cable is needed



PoE Finder

TCTH020

Network Cable Mapper Analog / Digital

- On-Line Test: Displays the Ethernet port status, Ping default router, Ping DNS Server and Ping user defined device
- Incorporates TDR technology
- On-line test: Displays the Ethernet port status, ping default router, ping DNS server and ping user defined device...etc.
- Off-line test: Wire map/twisted mapping/cable length/tone generator and port-finder
- Reporting voltage and polarity if voltage is present on pin 4/5
- Wire map for cables opened, shorted, reversed, crossed, split pairs, mis-wire, ad shield continuity
- Wire map results are displayed by pin-to-pin format
- Displays the wire map and cable faults with remote ID in one screen
- Measures twisted pairs, map, and length of Cat5, Cat5E, Cat6 and Cat7 cables without remotes
- Self-calibrating function allows for increased measuring accuracy when testing length of non-standard cables
- Displays measurements in both meters and ft.
- Port-finder function to locate corresponding socket on 10/100M or Giga hub/switch
- Tone generator sends 1kHz tone on all pins with 4 tonalities
- RJ45 port protection from damage due to high voltage from telephone line



Basic Network Cable Mapper Analog

TCHT050

Pro Network Cable Mapper Analog / Digital

TCHT055

GigaLan Device Status Identifier

- To check the existence of POE
- Identifying the type of the PSE, whether the POE voltage is detected on the pair 12-36 (EndSpan), or on the 45-78 (MidSpan)
- Identifies the port speed up to Gigabit
- Two RJ45 plugs (one for testing switch/hub directly, the other for testing NIC)
- With portfinder function
- Complied with IEEE802.3af standard



GigaLan Device Status Identifier

TCHT030

Measurement Tools

LANsmart Pro Multi Network Cable Tester

- All-in-one tester wire map, twisted mapping, short location, quick test, cable length test, tone generator and port finder
- Wire map results are displayed in pin-to-pin format
- Indicates the ID # of the remote identification
- Measures twisted pairs, map, and length of Cat.5, Cat.5E and Cat.6 cables without remotes
- Measures 2/4/6 pins telephone cable length and faults
- Measures coax cables length and faults
- Displays measurements in both meters and ft
- RJ45/ RJ11 port protection from damage due to high voltage from telephone line



LANsmart Pro Multi Network Cable Tester

TCTH010

LANsmart Pro Multi Network Cable Tester

- All-in-one test: wire map, twisted mapping, short location, quick test, cable length test, tone generator and port finder
- Wiremap results are displayed in a pin-to-pin format
- Indicates the ID number of the remote identification
- Measures twisted pairs, map and length of Cat5, Cat5e and Cat6 cable without remotes
- Measures 2/4/6 pins telephone cable length and faults
- Measures coax cables length and faults
- Displays measurements in both meter and feet
- Its analog Tone Generator sends 1K Hz tone on all pins or selected single pin conductors
- Its digital Tone Generator sends Single Tone and Double Tone
- RJ45/ RJ11 port protection from damage due to high voltage from telephone line



LANsmart Pro Multi Network Cable Tester

TCTH015

RJ14 Crimping Tool

- Crimping tool for RJ14 connector
- With Cable Cutter



RJ14 Crimping Tool

TWPHT2094

RJ45 Crimping Tool

- Crimping tool for RJ45 connector - 8P8C
- With Cable Cutter



RJ45 Crimping Tool

TWPHT2100

RJ45 Crimping Tool

- Crimping tool for RJ45 connector - 8P8C
- With Cable Cutter and strip tools

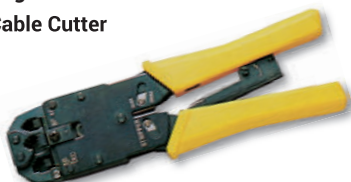


RJ45 Crimping Tool

TWPHT2108

Universal RJ Crimping Tool

- Crimping tool for RJ11-12-45 connector
- With Cable Cutter



Universal RJ Crimping Tool

TWPHT2008R

Universal RJ Crimping Tool

- Crimping tool for RJ11-12-45 connector
- With Cable Cutter



Universal RJ Crimping Tool

TWPHT2009

RJ45 Crimping Tool

- Crimping tool for RJ45 connector - 8P8C
- With Cable Cutter



RJ45 Crimping Tool

TWPHT300

Universal RJ Crimping Tool

- Crimping tool for RJ11- 45 connector
- With Cable Cutter



Universal RJ Crimping Tool

TWPHT2098

Universal Crimping Tool With Cable Tester

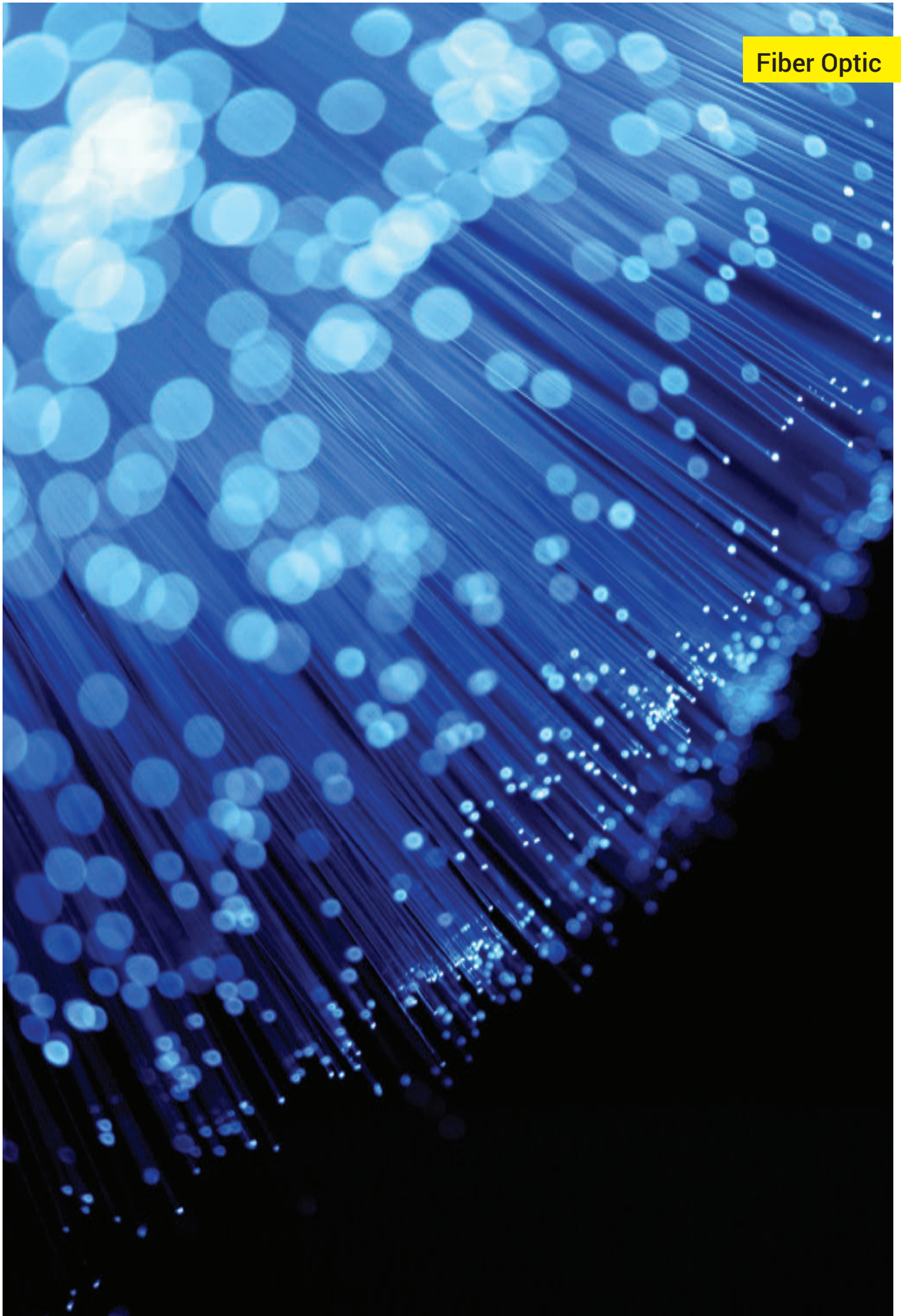
- Tests cables for continuity, opens, shorts and swapped wires
- Pin to Pin indication
- Test mode selection for run once or test repeatedly
- Auto Power Saving
- Low power indications
- Suitable for 8P8C(RJ45), 6P6C(RJ12), 6P4C(RJ11)
- Integrated cable stripper and cutter
- Cable tester can be detached from the tool



RJ45 Crimping Tool With Cable Tester

TWPHT2115

Fiber Optic



Fiber Optic Basics

ST

- Straight tip
- Ferrule diameter: 2,5 mm
- Coupling type: Bayonet



SC

- Subscriber Connector
- Ferrule diameter: 2,5 mm
- Coupling type: Snap



LC

- Lucent connector
- Ferrule diameter: 1,25 mm
- Coupling type: Snap



MT RJ

- Mechanical Transfer Registered Jack
- Ferrule diameter: 2,45x4,4 mm
- Coupling type: Snap (duplex)



Communication par Fibre Optic

La Fibre Optique peut-être utilisée comme Médium pour la télécommunication et la mise en réseau. Elle est flexible et peut-être groupé comme un câble réseau. La Fibre Optic est avantageuse pour les communications de longue distance, la lumière se disperse avec peu d'atténuation comparé à un signal électrique. Comprendre les caractéristiques des différentes Fibres Optiques est comprendre les différentes utilisations de celles-ci.

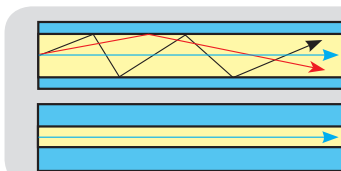
Il y a deux types de Fibres Optiques:

Le multimode et le singlemode. **La Fibre Multimode** est conçue pour les courtes distances et adapté pour les système LAN et la video surveillance.

La Fibre Singlemode est conçue pour les longues distances. Adapté pour les communications téléphoniques de longues distances et pour les productions télévision et Broadcast.

Mono ou Multimode

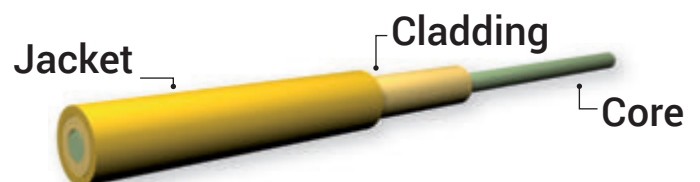
Les connecteurs utilisés s'assurent de la connection entre un convertisseur ou coupleur. Ils ne vont pas influencer la nature du signal, mais il faut s'assurer que le connecteur est conforme au modèle de fibre, sinon il y a un risque que la connection ne s'effectue pas.



Multimode



Singlemode



QUE DEVONS NOUS RETENIR:

Quand et pourquoi on utilise la Fibre Optique ?

L'utilisation est conseillé quand la connection dépasse les 100m

Pourquoi une paire de Fibre ?

La liaison est simultanément transporter dans les 2 directions, une Fibre émet, l'autre reçoit.

La Fibre qui émet doit avoir le même signal que celle qui reçoit.

Vos équipements peuvent venir de différents constructeurs.

Il faut donc respecter le type de signal pour ne rencontrer aucun problème.

-10FL vers 10FL

-100FX vers 100FX

-1000SX vers 1000SX

Il est impossible d'avoir une connection entre 100FX et 1000FX

Une Fibre Optique peut avoir différents connecteurs au 2 extrémités.

Les composants actifs peuvent avoir différentes connections et savent fonctionner sur le même signal.

Par exemple: SC d'un côté et LC de l'autre côté.

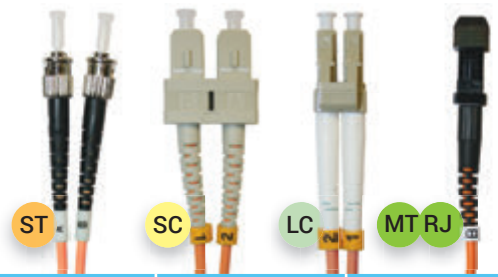
La matière première de la Fibre Optique est la fibre de verre.

Il est important de respecter la courbure d'un faisceau pour ne pas briser la Fibre.

Optic Fibers OM1 / OM2

Multimode OM1 Duplex 62,5/125 µ Patch Cable

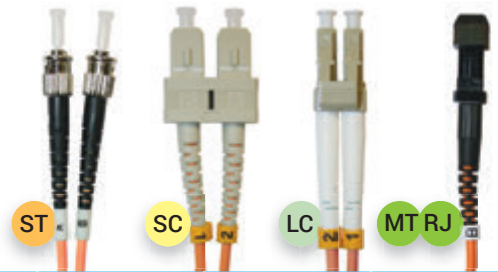
- Up to 1Gbps
- Halogenfree cable 62,5/125µ fiber
- Up to 1 Gbit Ethernet, fibre class OM 1
- Two color Boot (for Multimode)
- Individually packaged, with test report



	1 m	2 m	5 m	7 M	10 m	15 m	20 m
ST-ST	AL6STST01I	AL6STST02I	AL6STST05I		AL6STST10I	AL6STST15I	
SC-SC	AL6SCSC01I	AL6SCSC02I	AL6SCSC05I		AL6SCSC10I	AL6SCSC15I	
LC-LC	AL6LCLC01I	AL6LCLC02I	AL6LCLC05I		AL6LCLC10I	AL6LCLC15I	
ST-SC	AL6STSC01I	AL6STSC02I	AL6STSC05I		AL6STSC10I		AL6STST20I
LC-SC	AL6LCSC01I	AL6LCSC02I	AL6LCSC05I		AL6LCSC10I		
LC-ST	AL6ACST01I	AL6LCST02I	AL6LCST05I		AL6LCST10I	AL6LCST15I	AL6LCST20I
MTRJ-ST							
MTRJ-SC	AL6MTRJSC01I						
MTRJ-LC							
MTRJ-MTRJ		AL6MTRJMTRJ02I	AL6MTRJMTRJ03I				

Multimode OM2 Duplex 50/125 µ Patch Cable

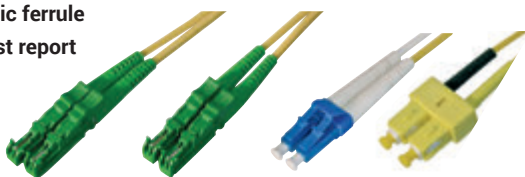
- Up to 1Gbps
- Halogenfree cable 50/125µ fibre
- Up to 1 Gbit Ethernet, fiber class OM 2
- Two color Boot (for Multimode)
- Single packaged, with test report



	1 m	2 m	3 m	5 m	7 M	10 m	15 m	20 m
ST-ST	AL5STST01I	AL5STST02I	AL5STST03I	AL5STST05I	AL5STST07I	AL5STST10I		
SC-SC	AL5SCSC01I	AL5SCSC02I	AL5SCSC03I	AL5SCSC05I	AL5SCSC07I	AL5SCSC10I		
LC-LC	AL5LCLC01I	AL5LCLC02I	AL5LCLC03I	AL5LCLC05I	AL5LCLC07I	AL5LCLC10I	AL5LCLC15I	AL5LCLC20I
ST-SC	AL5STSC01I	AL5STSC02I	AL5STSC03I	AL5STSC05I	AL5STSC07I	AL5STSC10I		
LC-SC					AL5LCSC07I		AL5LCSC15I	
LC-ST	AL5LCST01I	AL5LCST02I	AL5LCST03I	AL5LCST05I		AL5LCST10I		
MTRJ-ST	AL5MTRJST01I		AL5MTRJST03I					
MTRJ-SC		AL5MTRJSC02I	AL5MTRJSC03I					
MTRJ-LC								
MTRJ-MTRJ	AL5MTRJMTJ01I	AL5MTRJMTJ02I						

Singlemode Duplex E2000 Patch Cable

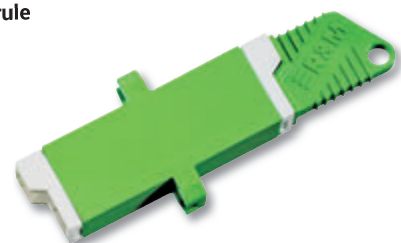
- Singlemode 09/125 µ with 8° APC
- Halogenfree cable I-VH 2E-XXX
- Connector with ceramic ferrule
- Single packed with test report



	1 m	2 m	3 m	5 m
E2000	AL9E20001I	AL9E20002I	AL9E20003I	AL9E20005I
E2000-LC	AL9E2000LC1I	AL9E2000LC2I	AL9E2000LC3I	AL9E2000LC5I
E2000-SC	AL9E2000SC1I	AL9E2000SC2I	AL9E2000SC3I	AL9E2000SC5I

E2000 Coupler 500m Simplex

- Singlemode
- Ceramic Ferrule
- Color: Green

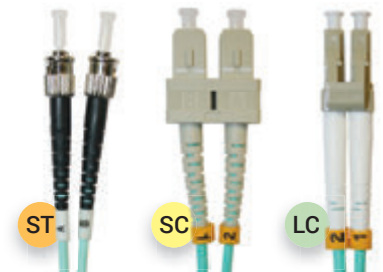


500 m
ALWL E2000

Optic Fibers OM3 / OM4

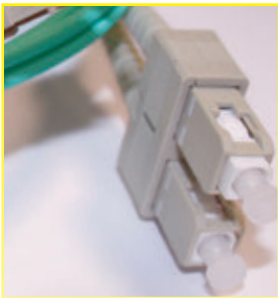
Multimode OM3 Duplex 50/125 μ Patch Cable

- Up to 10 Gbps
- Class OM3
- Halongenfree cable 50/125μ fibre
- Individually packaged, with test report



	1 m	2 m	3 m	5 m	7 M	10 m	15 m	20 m
ST-ST	AL5STST01I/3I	AL5STST02I/3I	AL5STST03I/3I	AL5STST05I/3I	AL5STST07I/3I	AL5STST10I/3I	AL5STST15I/3I	
SC-SC	AL5SCSC01I/3I	AL5SCSC02I/3I	AL5SCSC03I/3I	AL5SCSC05I/3I	AL5SCSC07I/3I	AL5SCSC10I/3I	AL5SCSC15I/3I	AL5SCSC20I/3I
LC-LC	AL5LCLC01I/3I	AL5LCLC02I/3I	AL5LCLC03I/3I	AL5LCLC05I/3I	AL5LCLC07I/3I	AL5LCLC10I/3I		
ST-SC	AL5STSC01I/3I	AL5STSC02I/3I	AL5STSC03I/3I	AL5STSC05I/3I	AL5STSC07I/3I	AL5STSC10I/3I		
LC-SC	AL5LCSC01I/3I	AL5LCSC02I/3I	AL5LCSC03I/3I	AL5LCSC05I/3I	AL5LCSC07I/3I	AL5LCSC10I/3I	AL5LCSC15I/3I	
LC-ST	AL5LCST01I/3I	AL5LCST02I/3I	AL5LCST03I/3I	AL5LCST05I/3I	AL5LCST07I/3I	AL5LCST10I/3I	AL5LCST15I/3I	

Info

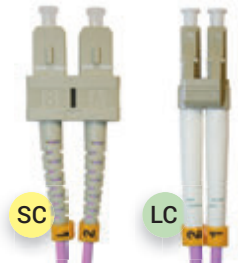


Source Wikipedia Multi-mode optical fiber

Transmission Standards	100Mbps Ethernet	1Gb (1000Mbps) Ethernet	10Gb Ethernet	40Gb Ethernet	100Gb Ethernet
OM1 (62.5/125)	UP TO 2000 METERS (FX)	275 METERS (SX)	33 METERS (SR)	NOT SUPPORTED	NOT SUPPORTED
OM2 (50/125)	UP TO 2000 METERS (FX)	550 METERS (SX)	82 METERS (SR)	NOT SUPPORTED	NOT SUPPORTED
OM3 (50/125)	UP TO 2000 METERS (FX)	550 METERS (SX)	300 METERS (SR)	100 METERS 330 METERS QSFP+ ESR4	100 METERS
OM4 (50/125)	UP TO 2000 METERS (FX)	1000 METERS (SX)	550 METERS (SR)	150 METERS 550 METERS QSFP+ ESR4	150 METERS

Multimode OM4 Duplex 50/125 μ Patch Cable

- Up to 10 Gbps
- Class OM4
- Halongenfree cable 50/125μ fibre
- Individually packaged, with test report



	1 m	2 m	3 m	5 m	7 M	10 m
LC-LC	AL5LCLC01I/4I	AL5LCLC02I/4I	AL5LCLC03I/4I	AL5LCLC05I/4I	AL5LCLC07I/4I	AL5LCLC10I/4I
LC-SC	AL5LCSC01I/4I	AL5LCSC02I/4I	AL5LCSC03I/4I	AL5LCSC05I/4I	AL5LCSC07I/4I	AL5LCSC10I/4I

Fiber Optic Pigtail, Simplex

- Class OM1, OM2 and OM3
- Semi Tight buffer
- Single packed with test report



		ST	SC	LC
Multi	om1 62,5/125 μ	AL6FPST02I		
	om2 50/125 μ	AL5FPST02I	AL5FPSC02I	AL5FPLC02I
	om3 50/125 μ	AL5FPST02/3I	AL5FPSC02/3I	AL5FPLC02/3I
Single	09/125 μ	AL9FPST02I	AL9FPSC02I	AL9FPLC02I

Fiber Optic Pigtail 12pcs set

- Simplex OM 2 50/125 μ, 2m
- Semi tight buffer
- Colored buffer, according to IEC 302 in: white, violet, turquoise, black, red, pink, orange, grey, green, yellow, brown, blue



ST	SC	LC
AL5FPST02ISET2	AL5FPSC02ISET2	AL5FPLC02ISET

Adapters & Connectors

SC Connector

- Multimode / Singlemode
- Crimp version
- Male crimping sleeve and tension relief
- 2x ALWL-SC + clip + 2 kink protection



Multimode	Single mode
ALWLSKD	ALWLSKD9

ST Connector

- Multimode / Singlemode
- Crimp version
- Male crimping sleeve and tension relief



Multimode	Singlemode
ALWLST	ALWLST9

LC Connector

- Multimode / Singlemode
- Crimp version
- Male crimping sleeve and tension relief



Multimode	Single mode
TLWLLCCMP	TLWLPL020

SC/SC Coupler Duplex

- Multimode
- Phosphor bronze ferrule
- Plastic / Metal



Plastic	Metal
ALWLSCK1D	TLWLADAP080

ST/ST Coupler Duplex

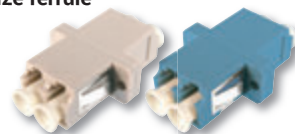
- Multimode / Singlemode
- Phosphor bronze ferrule
- Metal



Multimode	Singlemode
ALWLSTK1	ALWLSTK2

LC/LC Coupler Duplex

- Multimode
- Phosphor bronze ferrule
- Plastic



Grey	Blue
ALWLLC1D	ALWLLC2D

SC/SC Coupler Duplex

- Multimode
- Phosphor bronze ferrule
- Metal



Multimode
TLWLSCK1D

ST/ST Coupler Simplex

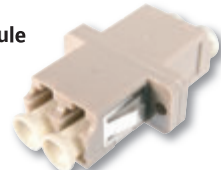
- Multimode
- Sleeve metal



Multimode
TLWLSTK1

LC/LC Coupler Duplex

- Multimode
- Phosphor bronze ferrule
- Metal



Multimode
TLWLADAP085

SC/SC Coupler Simplex

- Multimode
- Housing beige, sleeve metal
- With snap-in-latch



Multimode
TLWLSCK2S

ST/ST Coupler Simplex

- Singlemode
- Sleeve ceramic



Singlemode
TLWLADAP055

ST/SC Coupler Duplex

- Multimode
- Phosphor Bronze Ferrule
- Plastic



Multimode
ALWLSTSC1D

SC/SC Coupler Simplex

- Singlemode
- Housing blue, sleeve ceramic, with snap-in fixing



Singlemode
TLWLSCK2SM

SC Simplex Keystone Adapter

- Multimode
- Mounting depth incl. dust cap: 21.5mm (LC dpx.), 12.5mm (ST), 20.5mm (SC)



Multimode
LKS035
LKS055

SC Simplex Keystone Adapter

- Multimode
- Mounting depth incl. dust cap: 21.5mm (LC dpx.), 12.5mm (ST), 20.5mm (SC)



Multimode
LKS040
LKS060

SC/SC Coupler Simplex

- Singlemode
- Sleeve ceramic
- Housing Full Metal



Singlemode	Multimode
TLWLADAP010	TLWLADAP060

LC Duplex Keystone Adapter

- Multimode
- Mounting depth incl. dust cap: 21.5mm (LC dpx.), 12.5mm (ST), 20.5mm (SC)



Multimode
LKS045
LKS050

E2000/APC Keystone Adapter

- E2000 APC® adapter (RdM) with ceramic sleeve



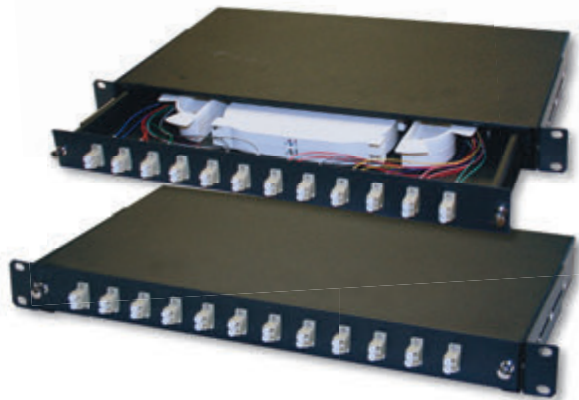
E2000/APC
LKS065
LKS070

Pigtails Splicebox / Accessories

Fiber Optic Splicebox LC

- Completely prefabricated, fiber pigtails exposed and inserted into the splice cassette(s)
- Colored pigtails - Couplers with zirconia ceramic sleeve
- Adapters in polymer housing
- Carrier housing made of 1.5mm sheet steel, varnished
- 1 unit (44.45mm) - 483mm width (19") -280mm depth
- PG 16 screw, cassette, cassette cover and strain relief included
- Sliding

	6 port	12 port	24 port
LC / OM2	LSBLC001	LSBLC005	LSBLC010
LC / OM3	LSBLC015	LSBLC020	LSBLC025
LC / OS1	LSBLC030	LSBLC035	LSBLC040



Fiber Optic Splicebox SC

- Completely prefabricated, fiber pigtails exposed and inserted into the splice cassette(s)
- Colored pigtails - Couplers with zirconia ceramic sleeve
- Adapters in polymer housing
- Carrier housing made of 1.5mm sheet steel, varnished
- 1 unit (44.45mm) - 483mm width (19") -280mm depth
- PG 16 screw, cassette, cassette cover and strain relief included
- Sliding

	6 port	12 port	24 port
SC / OM2	LSBSC001	LSBSC005	LSBSC010
SC / OM3	LSBSC015	LSBSC020	LSBSC025
SC / OS1	LSBSC030	LSBSC035	LSBSC040



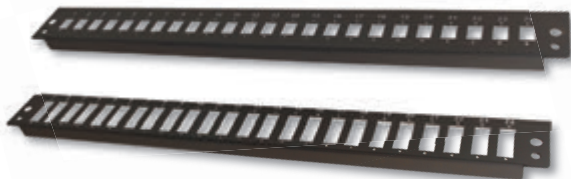
Fiber Optic Splicebox Custom Case and Panel

- Unassembled, without front panel
- Carrier housing made of 1.5mm sheet steel, varnished
- Color: Black RAL 9005
- Width 483mm, depth 220mm, pull-out depth 210mm, depth is adjustable
- Inner dimension approx.: 44 (H) x 428 (W) x 240 (D) mm
- Holder for splice cassettes



Custom Case			
LBL001			

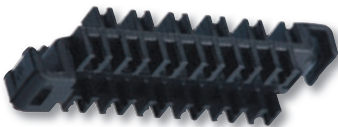
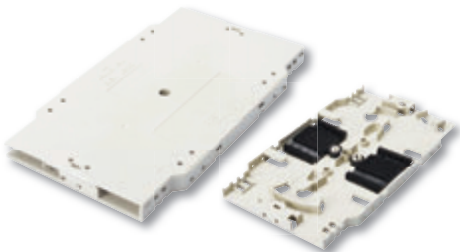
	6 port	12 port	24 port
SC Duplex	LSB005	LSB010	LSB015
SC Simplex	LSB020	LSB025	LSB030
LC Duplex	LSB035	LSB040	LSB045



Splice Cassette For 12 Fibers

Strain Relief For Optical Fibers

Crimp Splice Protection 12pcs



Splice Cassette For 12 Fibers
LSB050

Strain Relief For Optical Fibers
LSB055

Crimp Splice Protection
LSB060

Tool Set and Splicer

Fiber Optic Tool Box

- Stripping tool for 250µm
- Multi-stripping tool 721, for 0.6 - 2.6 mm cable
- Diagonal Cutter Pliers
- Long Nose Pliers
- Kevlar cutter
- Red Laser Fiber Checker
- Stripping tool for round cable, 4.5 - 29 mm, length crosswise - rotary
- Alcohol dispenser, without contents
- Optical Fiber cleaver
- Cable Reinforcing core cutter
- Tweezers
- Adjustable spanner
- Vice
- Knife
- Combination screwdriver
- Mini Combination screwdriver
- Tape measure
- Marker pen
- Cleaning Ball
- Tool case 47x40x23cm



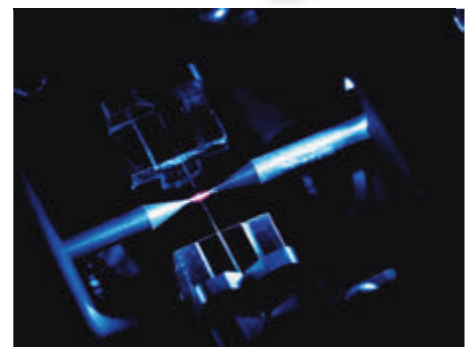
Fiber Tool Box

TCTK21



Fiber Optic Fusion Splicer

- Color LCD monitor & 256 magnification
- Compact & Light weight
- Reversible monitor with control panel on each side
- Max. wind velocity of 15m/s.
- 8 Sec. splice time, 40 Sec. tube-heat time
- Simultaneous X and Y views
- Large capacity internal battery
- SYSTEM TEST ensures the best working condition
- User programmable
- Auto check fiber end face
- Auto calibrate parameters
- Store 8000 groups of splice results
- Multiple language options
- Core Alignment
- Applicable fibers: SM, MM, DS, NZ-DS, EDF
- Cladding diameter: 100 to 150µm
- Coating diameter: 100 to 1000µm
- Fiber cleaved length: 8-22mm (standard)
- Splicing mode: Auto & Manual
- Average splice loss: 0.02dB(SM), 0.01dB(MM), 0.04dB(DS), 0.04dB(NZDS)
- Return loss: ≥ 60 dB
- Environment conditions: -25 ~ 50C° (operation temperature), 0~95%RH (humidity), 0~5000m (altitude)
- Storage environment:
 - -40C° +80C° (temperature) , 0~95% RH (humidity)
- Protection sleeve length:
 - 20mm, 40mm, 60mm
- Tension test: 2.0N (Standard)
- Language: English, Chinese, Korean, Russian,spanish etc.
- Interface: RS232 interface & video output
- Power supply:
 - AC adaptor: 85~260V input voltage
 - Internal battery:12V voltage, 10Ah, up to 200 times of continuous splices and heats
 - DC adaptor:12V voltage, optional multipurpose external battery
- Dimensions: 170(W)×140(H)×170(D)mm
- Weight: 3.3kg



Fiber Optic Fusion Splicer

TCTK22

Tools / Accessories

Precision Cleaver

- Precision cleaver for optical fiber, recommended for field installable connectors
- Single handed cleave operation, 1-step
- Cleaveing and off-cut collection
- Built-in collector for fibre sharps ensures safe operation
- Dimensions: 98 x 47 x 58mm
- Fibertype 125µm SMF, MMF, NZDSF, BIF and other
- Fiber holder possible Yes
- Cleave length 250µm 6 - 20mm (single) 10 - 20 mm (ribbon)
- Cleave length 900µm 10 - 20mm (single) 10 mm (ribbon)
- Max. blade life 48000



Precision Cleaver

TCTH010

Fiber Optic Tool Kit

- Utility component storage box
- SC polishing disk
- ST polishing disk
- Side Cutter 125mm
- Fiber optic crimping tool
- Fiber optical tools
- Foam swabs cleaning kit
- Fiber optic viewing scope kit
- Universal syringe 2.5ml
- Carbide fiber scribe
- Fiber optic kevlar cutter
- Carrying zipper bag (280x197x70mm)

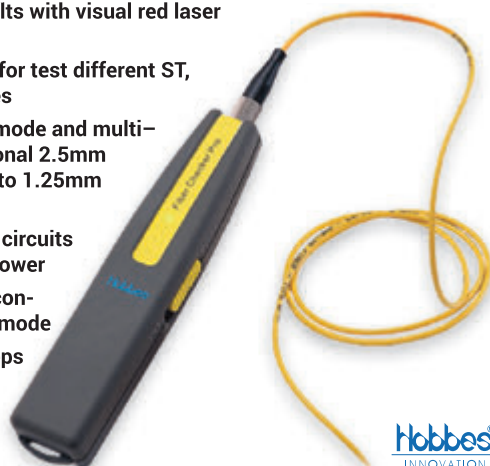


Fiber Optic Tool Kit

TCTK20

Fiber Checker Pro

- Wavelength: 650nm
- Range: visibility up to 5Km
- Easy to check fiber faults with visual red laser light
- Universally Connector for test different ST, SC, FC, FDDA interfaces
- Tests for both single-mode and multi-mode cables with optional 2.5mm fiber optic connectors to 1.25mm adapter
- Highly effective power circuits allow for stable laser power
- Operates in both CW (continuous wave) & pulse mode
- Dust-proof design keeps fiber connectors clean



Hobbes
INNOVATION

Fiber Checker Pro

TCTH070

Fiber Checker Pro

- Wavelength: Min. 650nm Typ. 655nm Max. 660nm
- Operation distance ca. 3 km
- Suitable 2.5 mm ferrule: DIN, E2000, FC, SC, ST
- Dimension: 167 mm x 12 mm



Fiber Checker Pro

TCTH070

Fiber Tester Pro

- Tests ST connector types
- Automatically calculates signal attenuation or displays actual received signal power
- A manual calibration ability to receive up to 65µW from industry standard Opto sources.
- Simultaneously displays the results in two different units of measurement (µW and dBm)
- Tests a wide range of measurement (0.001 to 99.999 µW or -60.00 to -10.00 dBm)
- Displays precise testing results to 0.001 place value
- Tests various cable diameters (50, 62.5, 100 µW)
- Clear LCD display with backlight
- Low battery indicator



Hobbes
INNOVATION

Fiber Tester Pro

TCTH070

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TDN19BPD03W	15	TDN19SRV42UL	11	TDN1907USW	5	TDN1926U68W	7	TPP24RU6LED	24
TDN19BPD04-BL	15	TDN19SRV42UW	8	TDN1907USW	11	TDN1926U68W	13	TPP24S	24
TDN19BPD04W	15	TDN19SRV42UW	11	TDN1907UW	6	TDN1926U68W	14	TPP24S6	24
TDN19BPN01-BL	15	TDN19SRV47U8L	8	TDN1907UW	11	TDN1926U610-BL	7	TPP24SI	26
TDN19BPN01W	15	TDN19SRV47U8W	8	TDN1909U3-BL	6	TDN1926U610-BL	13	TPP24SI6	26
TDN19BPN02-BL	15	TDN19SRV47U12L	8	TDN1909U3-BL	11	TDN1926U610-BL	14	TPP24SIN	26
TDN19BPN02W	15	TDN19SRV47U12L	14	TDN1909U3W	6	TDN1926U610W	13	TPP24SING	26
TDN19BPN03-BL	15	TDN19SRV47U12W	8	TDN1909U3W	11	TDN1932U66-BL	7	TPP32SI	26
TDN19BPN03W	15	TDN19TRAY1-BL	10	TDN1909U66-BL	7	TDN1932U66-BL	13	TPP48U5B	24
TDN19BPN04-BL	15	TDN19TRAY1-BL	12	TDN1909U66-BL	13	TDN1932U66W	7	TPP48U6B	24
TDN19BPN04W	15	TDN19TRAY1W	10	TDN1909U66-BL	14	TDN1932U66W	13	TPPDUM01	24
TDN19FAN2HOW	14	TDN19TRAY1W	12	TDN1909U66W	7	TDN1932U68-BL	7	TPPLED	24
TDN19FAN2WMTBW	14	TDN19TRAY2-BL	10	TDN1909U66W	13	TDN1932U68-BL	13	TWP8P8CR	21
TDN19FAN4HOW	14	TDN19TRAY2-BL	12	TDN1909U66W	14	TDN1932U68-BL	14	TWP8P8CR-6	21
TDN19FAN6-BL	14	TDN19TRAY2W	10	TDN1909U68-BL	7	TDN1932U68W	7	TWP8P8CRIN	21
TDN19FAN466W	14	TDN19TRAY2W	12	TDN1909U-BL	6	TDN1932U68W	13	TWP8P8CRIN-5	21
TDN19FAN468BL	14	TDN19TRAY110BL	10	TDN1909U-BL	11	TDN1932U68W	14	TWP8P8CRIN-6	21
TDN19FAN488W	14	TDN19TRAY110BL	12	TDN1909US-BL	5	TDN1932U88-BL	7	TWP8P8CSRS	21
TDN19FAN668W	14	TDN19TRAY110W	10	TDN1909US-BL	11	TDN1932U88-BL	13	TWP8P8CSRS-6	21
TDN19FAN4610W	14	TDN19TRAY110W	12	TDN1909USW	5	TDN1932U88-BL	14	TWP8P8SRS6	21
TDN19FAN46012W	14	TDN19TRAY130BL	10	TDN1909USW	11	TDN1932U88W	7	TWP8P8TP	21
TDN19KEY1U-BL	15	TDN19TRAY130BL	12	TDN1909UW	6	TDN1932U88W	13	TWPCBOOTB	21
TDN19KEY1UW	15	TDN19TRAY130W	10	TDN1909UW	11	TDN1932U88W	14	TWPCBOOTG	21
TDN19KEY2U-BL	15	TDN19TRAY130W	12	TDN1912U3-BL	6	TDN1932U610W	7	TWPCBOOTN	21
TDN19KEY2UW	15	TDN19TRAY140BL	10	TDN1912U3-BL	11	TDN1936U610-BL	7	TWPCBOOTR	21
TDN19KEY3U-BL	15	TDN19TRAY140BL	12	TDN1912U3W	6	TDN1936U610-BL	13	TWPCBOOTU	21
TDN19KEY3UW	15	TDN19TRAY140W	10	TDN1912U3W	11	TDN1936U610-BL	14	TWPCBOOTY	21
TDN19KEYLT-BL	15	TDN19TRAY140W	12	TDN1912U66-BL	7	TDN1936U610W	7	TWPHT300	29
TDN19KEYLTW	15	TDN19TRAY160BL	10	TDN1912U66-BL	13	TDN1936U610W	13	TWPHT2008R	29
TDN19ORG-1BL	9	TDN19TRAY160BL	12	TDN1912U66-BL	14	TDN1942U66-BL	7	TWPHT2009	29
TDN19ORG1U-BL	9	TDN19TRAY160W	10	TDN1912U66W	7	TDN1942U66-BL	13	TWPHT2094	29
TDN19ORG1UW	9	TDN19TRAY160W	12	TDN1912U66W	13	TDN1942U66W	7	TWPHT2098	29
TDN19ORG1W	9	TDN19TRAY165BL	10	TDN1912U66W	14	TDN1942U66W	13	TWPHT2100	29
TDN19ORG2U-BL	9	TDN19TRAY165BL	12	TDN1912U68-BL	7	TDN1942U68-BL	7	TWPHT2108	29
TDN19ORG2UW	9	TDN19TRAY165W	10	TDN1912U-BL	6	TDN1942U68-BL	13	TWPHT2115	29
TDN19ORG3U-BL	9	TDN19TRAY165W	12	TDN1912U-BL	11	TDN1942U68-BL	14	WZ0011	27
TDN19ORG3UW	9	TDN19TRAY175BL	10	TDN1912US-BL	5	TDN1942U68W	7	WZ0012	27
TDN19ORG6U-BL	9	TDN19TRAY175BL	12	TDN1912US-BL	11	TDN1942U68W	13		
TDN19ORG6UW	9	TDN19TRAY175W	10	TDN1912USW	5	TDN1942U68W	14		
TDN19ORG8U-BL	9	TDN19TRAY175W	12	TDN1912USW	11	TDN1942U88-BL	7		
TDN19ORG8UW	9	TDN19TRAY180BL	10	TDN1912UW	6	TDN1942U88-BL	13		
TDN19ORG10U-BL	9	TDN19TRAY180BL	12	TDN1912UW	11	TDN1942U88-BL	14		
TDN19ORG10UW	9	TDN19TRAY180W	10	TDN1916U3-BL	6	TDN1942U88W	7		
TDN19ORG11U-BL	9	TDN19TRAY180W	12	TDN1916U3-BL	11	TDN1942U88W	13		
TDN19ORG11UW	9	TDN19TRAYUNI	10	TDN1916U3W	6	TDN1942U88W	14		
TDN19PB2U-BL	5	TDN19TRAYUNI	12	TDN1916U3W	11	TDN1942U610-BL	7		
TDN19PB2UW	5	TDN19TRAYUNIW	10	TDN1916U66-BL	7	TDN1942U610-BL	13		
TDN19PB4U-BL	5	TDN19TRAYUNIW	12	TDN1916U66-BL	13	TDN1942U610-BL	14		
TDN19PB4UW	5	TDN19WALL-L	5	TDN1916U66W	7	TDN1942U610W	7		
TDN19PB8U-BL	5	TDN1005ULW	5	TDN1916U66W	13	TDN1942U610W	13		
TDN19PB8UW	5	TDN1008UL	5	TDN1916U68-BL	7	TDN1947U68-BL	7		
TDN19SET	15	TDN1008ULW	5	TDN1916U68-BL	13	TDN1947U68-BL	13		
TDN19SET1	15	TDN1906U3-BL	6	TDN1916U68-BL	14	TDN1947U68-BL	14		
TDN19SRV18UL	8	TDN1906U3-BL	11	TDN1916U68W	7	TDN1947U68W	7		
TDN19SRV18UL	11	TDN1906U3W	6	TDN1916U68W	13	TDN1947U68W	13		
TDN19SRV18UW	8	TDN1906U3W	11	TDN1916U68W	14	TDN1947U68W	14		
TDN19SRV18UW	11	TDN1906U-BL	6	TDN1916U-BL	6	THTLA+	24		
TDN19SRV26UL	8	TDN1906U-BL	11	TDN1916U-BL	11	THTLAK	24		
TDN19SRV26UL	11	TDN1906UW	6	TDN1916UW	6	TLWLADAP010	34		
TDN19SRV26UW	8	TDN1906UW	11	TDN1916UW	11	TLWLADAP055	34		
TDN19SRV26UW	11	TDN1907U3-BL	6	TDN1920U3-BL	6	TLWLADAP060	34		
TDN19SRV36UL	8	TDN1907U3-BL	11	TDN1920U3W	6	TLWLADAP080	34		
TDN19SRV36UL	11	TDN1907U3W	6	TDN1922U66-BL	7	TLWLADAP085	34		
TDN19SRV36UW	8	TDN1907U3W	11	TDN1922U66-BL	13	TLWLLCCMP	34		