



## Product advantage

- The six links of the pre terminated copper trunk are a combination, using the original high-performance Cat.6A shielded module and U/FTP cable with advanced stranding process, conform to ANSI/TIA 568.2-D Cat.6A, ISO/IEC 2nd class EA characteristic standard.
- The cable has four pairs of twisted wires, and each pair of wires is covered with aluminum foil Mylar tape, which effectively reduces the generation of crosstalk between pairs and external crosstalk; Transmission bandwidth reaches 500MHz.
- The outer coating material of the cable is LSZH low smoke halogen-free type.
- Factory pre terminated, cable bundle management, and wrapped with high-density woven mesh, beautiful and tidy, and increased the wear resistance and compression resistance of the cable.
- One end (or both ends) of the pre terminated copper cable trunk is equipped with stay rings to facilitate and protect the trunk copper cable from routing between cabinets, reduce installation risks, and reduce the waste of installation site is reduced, and it can even be redeployed in the same place, which is more green and environmental friendly.
- The six links of the pre terminated copper trunk have passed 100% of the original factory test, with full certification and performance guarantee.
- There are obvious serial number marks on the cables, which are arranged in order and plug and play on site.
- Faster "field operation" time, about 8 times faster than conventional cabling.
- Comply with ROHS 2011/65/EU environmental protection standards.

## Product characteristics

Non plenum fire rating: LSZH  
 Conductor wire gauge:  $\psi$  0.565mm (23AWG) Insulation material: Foam PE,  $1.38 \pm 0.05$ mm  
 Twisting mode: 4 pairs of cables, 2-core pairs  
 Shielding layer: aluminum foil Mylar tape for each pair  
 Skin material: LSOH  
 Cable outer diameter:  $6.9 \pm 0.3$ mm  
 Rated transmission speed (NVP): 78%  
 Plugging times: >750  
 Tension: >100 grams  
 Insulation resistance: 500M $\Omega$  HM minimum @100VDC  
 Gold needle contact resistance: 20M $\Omega$ HM max  
 IDC contact resistance: 2.5M $\Omega$ HM max  
 Withstand voltage: 1000 VAC RMS @60hz/1min  
 Rated current: <1.5Amps  
 Working temperature: -20  $^{\circ}$ C to +75  $^{\circ}$ C

## Can be used

10/100Base-TX  
 1000Base-T  
 2.5G/5GBase-T  
 10G Base-T(10Gigabit Ethernet)  
 1.2/2.4 Gbps ATM  
 TP-PMD(ANSI X3T9.5 100Mbps)  
 4/16Mbps Token Ring ISDN  
 PoE++

## Meet the standards

ANSI/TIA 568.2-D Category 6A  
 ISO/IEC 11801(IEC 61156-5)Category 6A  
 EN55022 Class B IEC 60332-1-2  
 IEC 60754-2, IEC 61034-1, IEC 61034-2

## Order information

Product model	Description	Packing
FL-6ACPL10-XX-A	Cat.6A U/FTP Pre-terminated trunking cable, LSZH, Trident, Purple	1pc/pk
FL-6ACPL10-XX-B	Cat.6A U/FTP Pre-terminated trunking cable, LSZH, Angled, Purple	1pc/pk
XX-Length (m); A-Positive incoming line; B-Lateral incoming line		
01	02	03
04	05	06
07	08	09
10	11	12

## Transmission performance (Typical value@ 20 $^{\circ}$ C)

Frequency [MHz]	Insertion loss [dB]	NEXT [dB]	PS NEXT [dB]	Return loss [dB]	ACR F [dB]	PS ACR F Delay (ns) Max.	Propagation [dB]	Delay Skew (ns) Max.
4	3.8	65.3	63.3	23	55.8	52.8	552	45
10	5.9	59.3	57.3	25	47.8	44.8	545	45
16	7.5	56.2	54.2	25	43.7	40.7	543	45
20	8.4	54.8	52.8	25	41.8	38.8	542	45
31.25	10.5	51.9	49.9	23.6	37.9	34.9	540	45
62.5	15	47.4	45.4	21.5	31.9	28.9	539	45
100	19.1	44.3	42.3	20.1	27.8	24.8	538	45
200	27.6	39.8	37.8	18	21.8	18.8	537	45
250	31.1	38.3	36.3	17.3	19.8	16.8	536	45
300	34.3	37.1	35.1	16.8	18.3	15.3	536	45
400	40.1	35.3	33.3	15.9	15.8	12.8	536	45
500	45	33.8	31.8	15.2	13.8	10.8	536	45