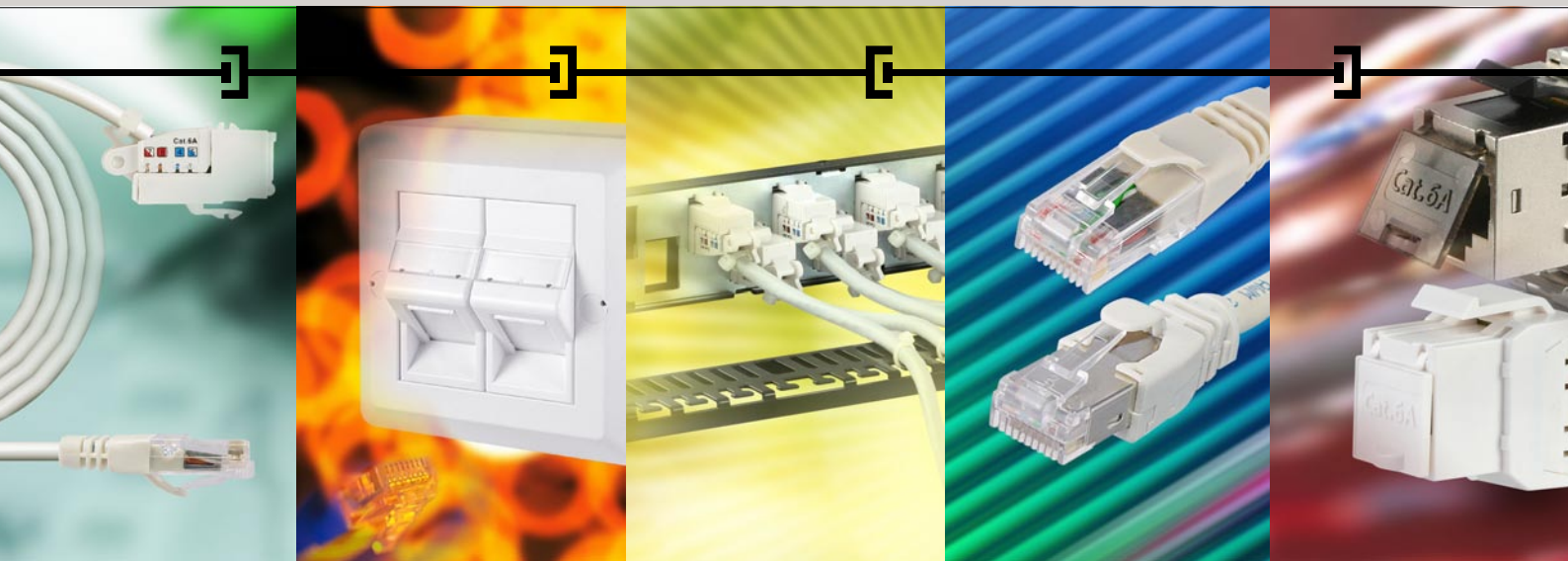


Telebox

Cat.6A & Cat.6 Cabling Products

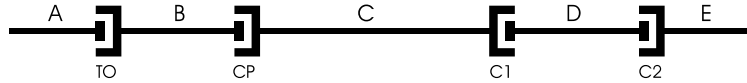
Channel & Connecting Hardware



- Complete Cat.6A/Cat.6 line
- Meet TIA/EIA-568-B.2-10 (future ANSI/TIA/EIA-568-C.2)
- Achieve **Annex J** : the most critical Cat.6A channel configurations
- Advanced Cat.6A connecting hardware testing environment
- Press-in production technology

Cat.6A Channel Configuration

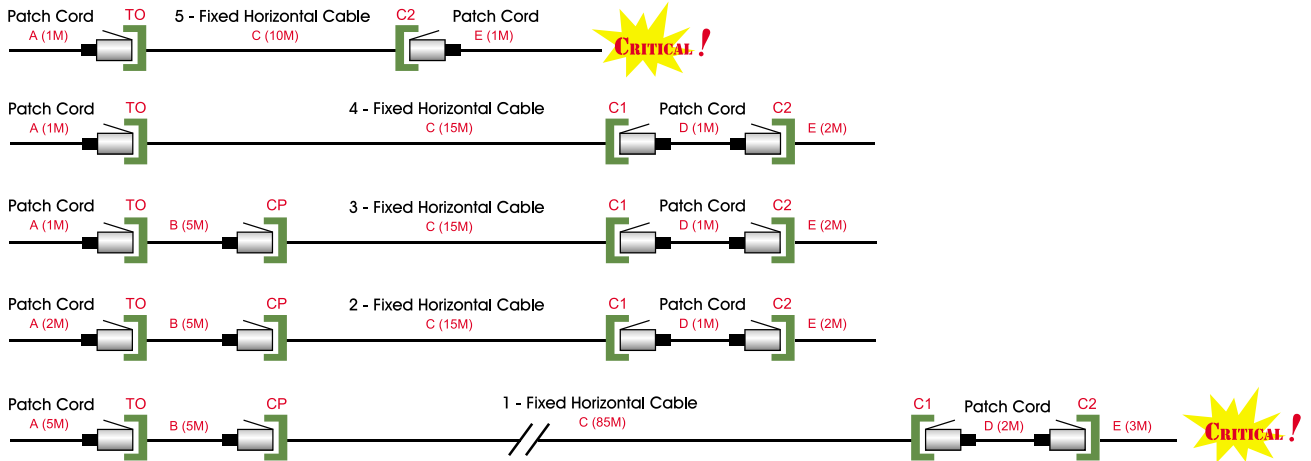
Tradition:



TIA-568-B.2-XX			TIA-568-B.2-10 Annex J				
channel configuration	ID	Description	Channel configuration				
Maximum length B+C..... 90 m (295 ft) A+D+E..... 10 m (32.8 ft)	A	Work area cord	5M	2M	1M	1M	1M
	TO	Telecommunication outlet/Connector	P	P	P	P	P
	B	Consolidation point cabling	5M	5M	5M	NP	NP
	CP	Consolidation point connector	P	P	P	NP	NP
	C	Horizontal cabling	85M	15M	15M	15M	10M
	C1	Horizontal cross-connect or interconnect	P	P	P	P	P
D	Patch cord or jumper cable	2M	1M	1M	1M	1M	
C2	Horizontal cross-connect or interconnect	P	P	P	P	NP	
E	Telecom equipment cord	3M	2M	2M	2M	NP	

NP=Not present in this channel model.
P=Present in this channel model.

Telebox products complied with TIA-568-B.2-10 ANNEX J Five Configurations



Cat.6A Channel Test



LINKWARE
CABLE & TEST MANAGEMENT SOFTWARE

Cable ID: 5M+5M+85M+2M+3M
Daily Time: 2024/05/11 10:05am
Headroom: 2.6 dB (NEXT 36.4%)
Test Limit: TIA Cat 6A Channel
Cable Type: Dinkal(85m)Cat 7 SFTP

Operator: Sam
Software Version: 2.1200
Linkbox Version: 1.2600
NVP: 69.0%

Test Summary: PASS
Model: DT1-1603
Main S/N: 9716077
Remote S/N: 9716078
Main Adapter: DTX-CM4001
Remote Adapter: DTX-CM4001

Wire Map (T568B): PASS

Length (m), Limit 100.0 (Pair 45): 89.8
Phase Delay (ns), Limit 500: 445
Delay Skew (ns), Limit 50: 12
Resistance (ohms): (Pair 12): 17.5
Insertion Loss Margin (dB): (Pair 12): 4.7
Frequency (MHz): (Pair 12): 500.0
Loss (dB): (Pair 12): 49.5

Worst Case Margin: Worst Case Value

Pair	MAIN	SR	MR	SC
Worst PL	75.45	45.35	38.45	44.35
NEXT (dB)	2.5	5.7	2.5	5.8
Freq. (MHz)	494.0	457.0	484.0	450.0
Limit (dB)	26.2	27.4	26.2	26.6
Worst PIR	2.4	7.5	3.4	8.8
PIR NEXT (dB)	494.0	457.0	495.0	500.0
Freq. (MHz)	25.4	24.3	25.3	23.2

Worst Case Margin: Worst Case Value

Pair	MAIN	SR	MR	SC
Worst PL	13.0	12.0	13.1	12.0
NEXT (dB)	440.0	450.0	450.0	450.0
Freq. (MHz)	10.0	10.0	10.0	10.0
Limit (dB)	15.0	15.0	15.0	15.0

Worst Case Margin: Worst Case Value

Pair	MAIN	SR	MR	SC
Worst PL	12.1	13.4	12.1	13.4
NEXT (dB)	450.0	475.0	450.0	475.0
Freq. (MHz)	7.2	6.1	7.2	6.1

Worst Case Margin: Worst Case Value

Pair	MAIN	SR	MR	SC
Worst PL	2.5	3.2	10.0	10.3
NEXT (dB)	4.4	3.8	407.0	410.0
Freq. (MHz)	19.0	19.0	19.0	19.0
Limit (dB)	15.0	15.0	6.5	6.5

LinkWare Version: 4.0

Complete Cat.6A/Cat.6 line

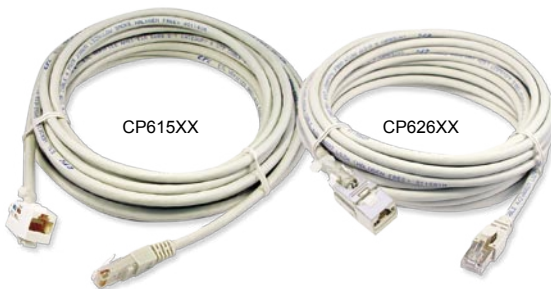
Work area/Patch cord (A/D)



Connectors (TO/CP/C1/C2)



Consolidation point cabling (B/E)



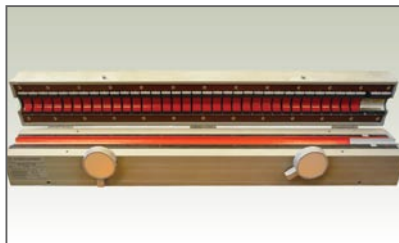
Horizontal cabling (C)



Connecting hardware testing environment



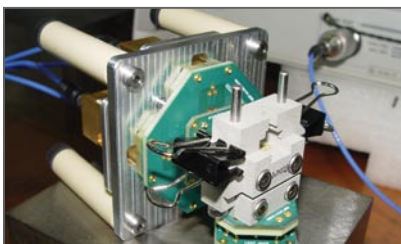
Full two ports Network analyzer



Coupling attenuation test



Transfer impedance test



Cat.6A/Cat.6 Connecting Hardware Tester



Fluke Cat.6A/Cat.6 Connecting Hardware Adapter



Fluke Cat.6A/Cat.6 Cable/Patch Cord Adapter

16/32P Coupler/Panel

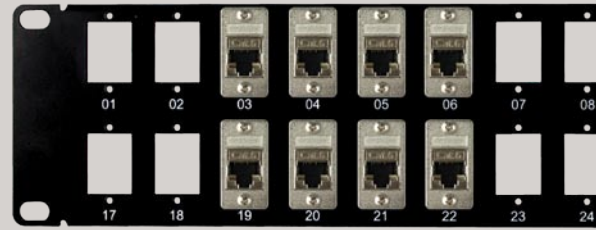
Die-Cast



TA1968DS

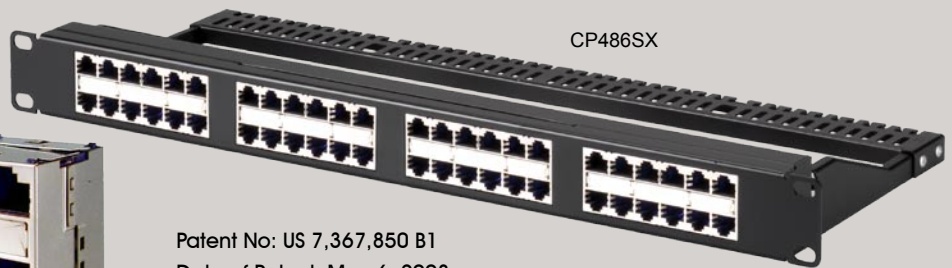
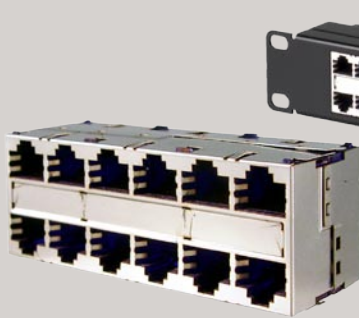


- 19" rack panel with coupler/keystone jack
- Available with 16 ports or 32 ports



KP24XX

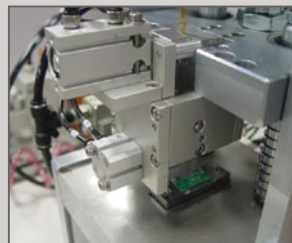
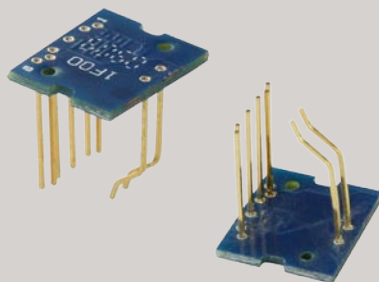
48P Coupler Panel



CP486SX

Patent No: US 7,367,850 B1
Date of Patent: May 6, 2008

Press-in production Technology (Connector engine)



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