

## LSA-PLUS® NT Termination Blocks



Today's ever-changing network deployments frequently require wires to be reterminated, relocated or rewired. That rewiring can quickly degrade the quality of wire terminations. ADC has developed products like the LSA-PLUS® NT block to maintain superior connectivity through hundreds of reterminations and deliver the best electrical performance in the industry. The LSA-PLUS NT block is a high-density solution that utilizes the silver plated, world renowned LSA-PLUS contact principle. Its gas-tight contacts ensure a reliable and long lasting connection.

System side contacts and the cross connections on the LSA-PLUS NT block are situated perpendicular to one another, increasing pair density while decreasing the chance of accidental tampering of system side terminations. Both test access and cross-connect contacts are accessible from the front, and the block can be easily released to access system side contacts for new wiring or rewiring.

The LSA-PLUS NT block's unique perpendicular configuration of the system and cross-connect sides creates additional space. Its vertical mounting pitch of 17.5 mm results in a vertical space savings of 21% over LSA-PLUS Series 2 solutions.

SPEC SHEET



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# LSA-PLUS® NT Termination Blocks

6/07 • 104619AE LSA-PLUS® NT Termination Blocks

## Features & Benefits

- Utilizes proven reliability of the LSA-PLUS® 45° silver plated contacts
- Unique perpendicular configuration facilitates quick and reliable installations
- Vertical mounting pitch of 17.5 mm results in 21% space savings over Series 2 blocks
- System side contacts situated at a right angle on the bottom of the block protect cable wiring and prevent accidental tampering during cross-connect work
- Clear labeling system eliminates wiring mistakes
- Built in "look-both-ways" test port
- Designed for use with ADC back mount frame; other versions are available for use with ADC profile rod mount brackets
- Various identification and marking possibilities: marking caps used to mark individual pairs, identify special lines or protect a given line from being mistakenly switched
- Switchover adapters allow interrupt-free switchover to a new system, active equipment or connection of new cables
- One-pair "look-both-ways" test cord with banana plugs allows for independent testing of incoming and outgoing signals; no need for wire removal
- LSA PLUS insertion tool manages all wire terminations; no need for additional tools
- Wall and rack mountable
- Can be mounted on 19- or 23-inch frames

## Applications

- Well suited for applications requiring a bandwidth greater than POTS
- Offers superior high-speed connections for voice and data in backbone cabling
- Ideal for next generation broadband networks that need to support voice, video and data transmission (IPTV, ADSL2+, VDSL2, etc)



LSA-PLUS® NT Termination Block  
(IDC Orientation)



# LSA-PLUS® NT Termination Blocks

## Specifications

### MECHANICAL

Wire range for solid copper conductors (single wire per contact):	0.4 mm to 0.8 mm (26 to 20 AWG)
Wire range for stranded tinned copper conductors (single wire per contact):	7 x 0.12 mm to 7 x 0.32 mm (36 to 28 AWG)
Two wires per contact (same gauge):	0.4 mm to 0.65 mm (26 to 22 AWG)
Wire insulation diameter range (PE, PVC):	0.7 mm to 1.6 mm (0.02" to 0.06")
Number of wire terminations:	≥ 200
Number of disconnect port plug-in cycles:	≥ 750

### ELECTRICAL

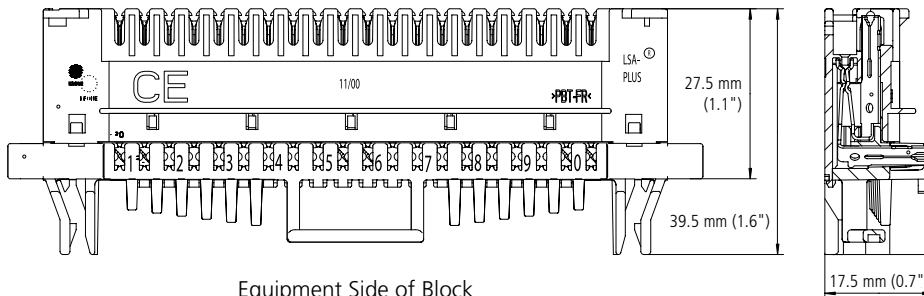
NEXT (average worst case performance):	39 dB @ 100 MHz:
Insulation resistance:	≥ 50 GΩ
Contact resistance:	≤ 1 mΩ (typical)
Electrical strength / impulse strength:	2 kV / 3.6 kV (8/20 μs)
Operation voltage for basic insulation (B/S):	120 V TNV
Transient overvoltage for B/S insulation:	1.5 kV
Current carrying capacity:	5 A (50 Hz, 1 s)
Impulse current:	5 kA (8/20 μs)
Air gap / creepage:	2.8 mm / 2.93 mm (.11" / .12")

### ENVIRONMENTAL AND SAFETY

Safety Compliance:	UL 1863
Flammability rating of plastic housing:	UL 94 V-0
Storage temperature range:	-40° to 90° C (-40° to 194° F)
Operating temperature range:	-20° to 80° C (-4° to 176° F)
Telcordia® compliance:	Telcordia Technologies TR-NWT-001195, "Generic Requirements for Insulation Displacement Connector (IDC) Cross-Connect Terminal Blocks", Issue 1, June 1992

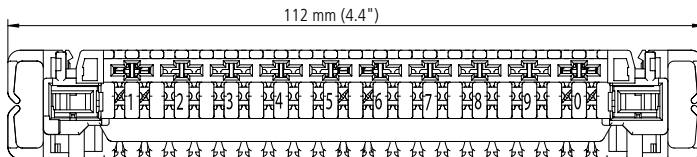
### MATERIALS

Plastics:	PBT
Contact plating:	Silver (Ag)



Equipment Side of Block

Side View



Cross-Connect Side of Block

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## Ordering Information

Description	Dimensions (H x W x D)	Catalog Number
<b>LSA-PLUS® NT 10-pair;</b>		
Disconnect block <i>Quantity: 1 (Order in multiples of 10)</i>	17.5 mm x 112 mm x 27.5 mm (.7" x 4.4" x 1.1")	7014 1 004-03
5-position back mount frame with rear cable hole <i>Quantity: 1</i>	98.3 mm x 92 mm x 50.8 mm (3.9" x 3.6" x 2")	6655 2 851-05
10-position back mount frame with rear cable hole <i>Quantity: 1</i>	186 mm x 92 mm x 50.8 mm (7.3" x 3.6" x 2")	6655 2 851-10
20-position back mount frame with rear cable hole <i>Quantity: 1</i>	361 mm x 92 mm x 50.8 mm (14.2" x 3.6" x 2")	6655 2 851-20
30-position back mount frame with rear cable hole <i>Quantity: 1</i>	536 mm x 92 mm x 50.8 mm (21.1" x 3.6" x 2")	6655 2 851-30
<b>Accessories</b>		
Black NT dummy plug – <i>Quantity: 1 (Order in multiples of 100)</i>		7014 3 049-00
Red NT marking cap – <i>Quantity: 1 (Order in multiples of 100)</i>		6196 3 042-00
Red NT disconnect plug – <i>Quantity: 1 (Order in multiples of 100)</i>		7014 3 021-00
NT 10-pair hinged label holder – <i>Quantity: 1</i>		7014 2 007-00
NT 10-pair label holder – <i>Quantity: 1</i>		7014 2 006-00
NT one-pair site mounted test cord – <i>Quantity: 1</i> XX = length of test cord in feet 04 = 1.2 m (4'), 07 = 2.1 m (7'), 10 = 3 m (10')		6645 2 126-XX
NT one-pair "look-both-ways" test cord – <i>Quantity: 1</i> XXX = length of test cord in feet 001 = 0.3 m (1') 004 = 1.2 m (4'), 007 = 2.1 m (7'), 010 = 3 m (10')		ANP-12NBA5-XXX
NT changeover adapter – <i>Quantity: 1 (Order in multiples of 10)</i>		7014 1 044-00
NT to Series 2 one-pair adapter – <i>Quantity: 1</i>		7014 1 014-00

Other NT termination blocks and accessories are available upon request.  
Please contact ADC Technical Assistance Center.

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### Website: [www.adc.com](http://www.adc.com)

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