PRODUCT
BRIEF

Clarity High Density Jack (HDJ) SNAP Cat6/Cat6a

legrand®

Overview

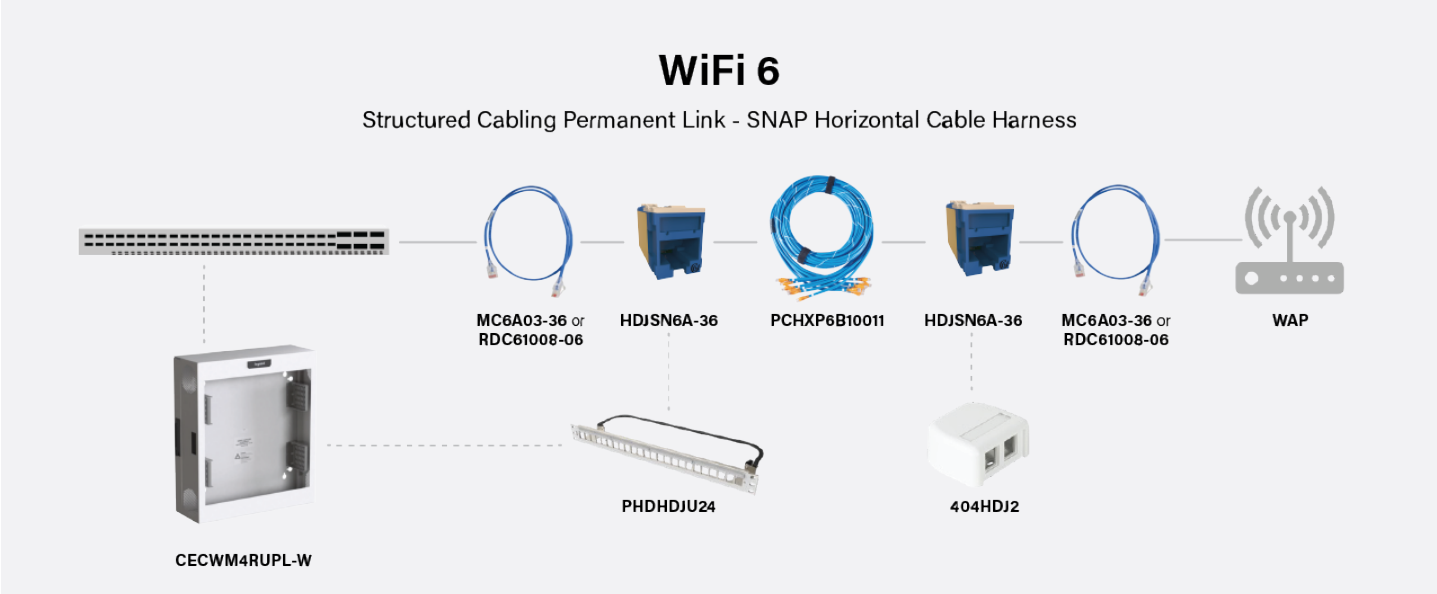
Simplify connectivity with Clarity® Cat6/Cat6a High Density Jack (HDJ) SNAP™, part of Legrand's SNAP pre-terminated horizontal cabling system—the leading copper structured cabling system that requires **no tools, no cable prep, no testing, and no training** to install. Fully modular, HDJ SNAP is designed to eliminate cable preparation and termination, dramatically reducing deployment time while maintaining exceptional signal quality. It also enables easier maintenance with simplified troubleshooting and cable tracing.

HDJ SNAP systems exceed TIA 568, ISO110801, and IEEE 802.3 standards. Compatible with all HDJ panels, faceplates and surface-mount boxes, the SNAP HDJ features the rear-load footprint with slide-lock mechanism for easy installation and maximum flexibility.

Features and Benefits

- **10x Faster Install:** As part of a pre-terminated, modular cabling system, SNAP HDJ offers the fastest installation of structured cabling.
- **Quadrant Pair Pin Layout:** The SNAP connection places one mating half of the termination onto the horizontal cable and the other on the 8-position T568 jack interface, separating the contacts into 4 quadrants to mimic a field-terminated jack. It offers plug-and-play speed while delivering high performance due to pair balancing and pair-to-pair isolation through the connector.
- **High Density Jack:** The only jack with tool-less mounting and removal as part of the HDJ family of products, HDJ SNAP jacks are compatible with all modular rack-mount patch panels, workstation faceplates and frames, surface-mount boxes, furniture bezels, and more. Simply load the HDJ SNAP into the rear of the panel, slide the lock forward to lock it in place, SNAP in the SNAP cable assemblies and know that the world class network is complete.
- **Reduce Labor:** Save up to 3 minutes per port with:
  - No cable prep.
  - No termination time.
  - No testing.
- **Icon compatible:** Icons are blank, for customization and pad printing. For labeling, supports 606 designation requirements.
- **Rear Loading:** Preferred mounting for panels, with quick and easy installation.

Application Examples



APPLICATION DESCRIPTION

This diagram illustrates the deployment of the HDJ SNAP with a plenum rated pre-terminated SNAP horizontal cable harness. The trunk extends from the horizontal cross-connect, distributing to 2 port surface-mount boxes located near access points. From the 2 port boxes, the HDJ SNAP connects to a Clarity Cat6a Modular Patch Cord, which then links directly to the wireless access point.

SNAP Connectivity	
HDJSN6A-**xx**	Clarity High Density Jack (HDJ) SNAP Cat6A Jack, T568 A/B
HDJSN6-**xx**	Clarity High Density Jack (HDJ) SNAP Cat6 Jack, T568 A/B

Remove **-xx** for fog white, for other colors replace xx with tail codes from list below

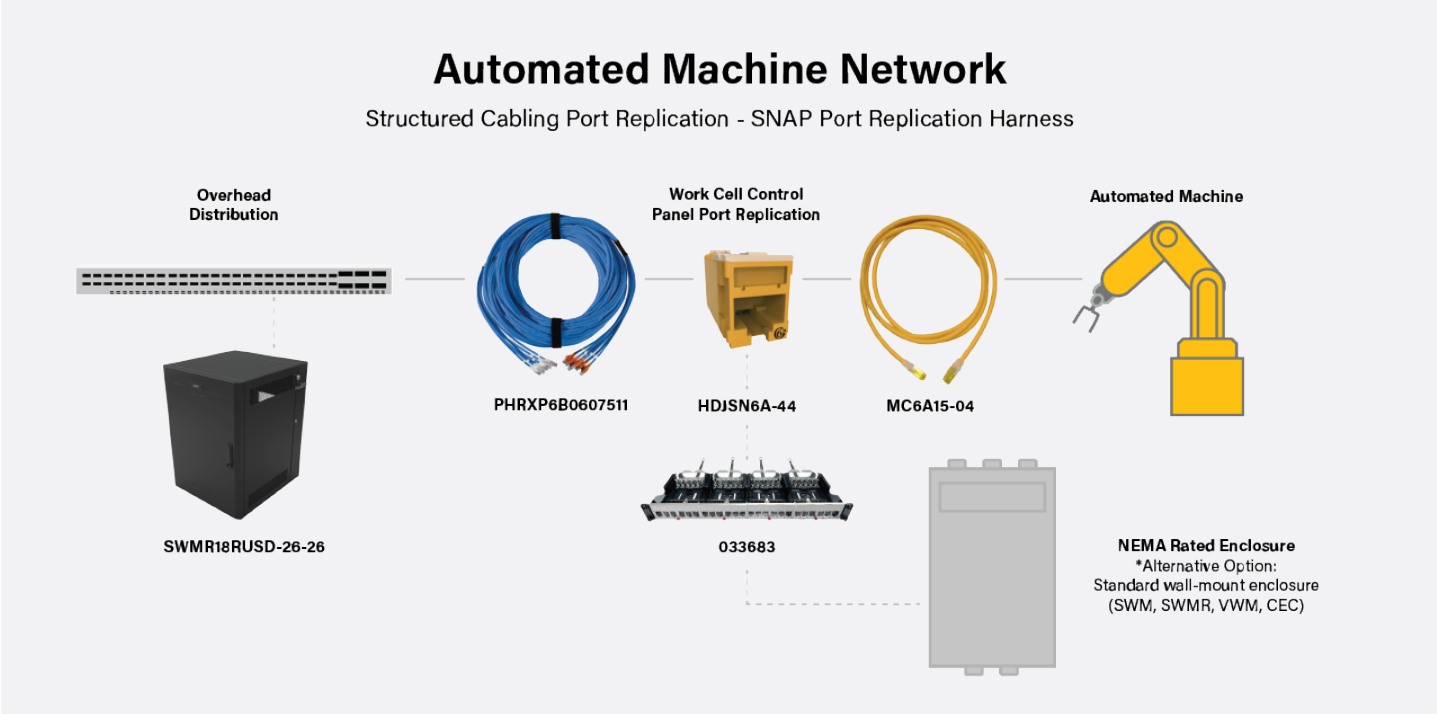
Standard	00	13	36	42	43	44	45	78	88
Fog White	Black	Ivory Special Order	Blue	Red	Orange	Yellow	Green	Dark Gray	White

Standard Quantities are packs of 20

SNAP Cabling	
PCHXP6B0610011	Clarity SNAP Horizontal Cable Harness, Cat6A Plenum, 100ft, Blue, (No Stager w/Protective Sock)
MC6A03-36	Clarity Cat6A Modular Patch Cord, 3ft, Blue

Panel and Surface-Mount Box	
PHDHDJSU24	HDJ Series 24 Port Unloaded Panel, Shielded, White
404HDJ2	HDJ Plastic Surface Mount Box – Two Port – Fog White

Cabinet	
CECWM4RUPL-W	Compact Edge Cabinet, 4 RU, Plexiglass Door - White



APPLICATION DESCRIPTION

This diagram illustrates the deployment of the HDJ SNAP with a pre-terminated SNAP port replication harness. The port replication harness extends the switch to patch panel so changes are done at the panel, protecting the switch ports from damage while keeping the ports accessible. The HDJ SNAP jacks connect to a Clarity Cat6a patch cord, which then links directly to automated machines.

SNAP Connectivity	
HDJSN6A-**xx**	Clarity High Density Jack (HDJ) SNAP Cat6A Jack, T568 A/B
HDJSN6-**xx**	Clarity High Density Jack (HDJ) SNAP Cat6 Jack, T568 A/B

Remove **-xx** for fog white, for other colors replace xx with tail codes from list below

Standard	00	13	36	42	43	44	45	78	88
Fog White	Black	Ivory Special Order	Blue	Red	Orange	Yellow	Green	Dark Gray	White

Standard Quantities are packs of 20

Cabling	
PRHXP6B0607511	Clarity SNAP 6 Cable Port Replication Harness, Cat6A Plenum, 75ft, Blue, (No Stager w/Protective Sock)
MC6A15-04	Clarity Cat6A Modular Patch Cord, 15ft, Yellow

LCS3 Panel System for Hight Density Jack		
24 Ports (4x 6-Port Cassettes)	48 Ports (4x 12-Port Cassettes)	Description
033-683	033-684	LCS3 Front Loading HDJ System with Cable Management Built in, 1RU

Cabinet	
SWMR18RUSD-26-26	Swing-Out Wall-Mount Ruggedized Cabinet, 18 RU, Solid Door

Trunk Configuration

Multi Cable Harness

1	2	3	4	5	6	7

Example PCH XP 6B 06 40 1 1

HARNESS CABLE ASSEMBLIES

1. Assembly Type	2. Cable Type	3. Number of Cables	4. Color	5. Length (Feet)	6. End 1 Legs	7. End 2 Legs
	XP = Cat6A Plenum	6B = 6 in Spiral Bound Bundle	06 = Blue	xxx = Requires 3 Digits	1 = No Stager w/ Protective Sock	1 = No Stager w/ Protective Sock
PCH = Pre-Connector-ized Harness	XR = Cat6A Riser	6M = 6 in Mesh		Example:	2 = Stager Left w/ Protective Sock	2 = Stager Left w/ Protective Sock
PRH = Port Replication Harness	2P = Cat6 Plenum	12B = 6 in Spiral Bound Bundle		001 = 1 Foot	3 = Stager Right w/Protective Sock	3 = Stager Right w/Protective Sock
	2R = Cat6 Riser	12M = 6 in Mesh		002 = 2 Feet	4 = No Stager w/ Pulling Sock	4 = No Stager w/ Pulling Sock
	1P = Cat5e Plenum	24B = 6 in Spiral Bound Bundle		010 = 10 Feet	5 = Stager Left w/ Pulling Sock	5 = Stager Left w/ Pulling Sock
	1R = Cat5e Riser	24M = 6 in Mesh		300 = 300 Feet	6 = Stager Right w/Pulling Sock	6 = Stager Right w/Pulling Sock
	2Z = Cat6 LSZH*		05 = Green			

*Note: LSZH Option "2Z" is only available in Spiral Bound Bundles and in the "05" Green color option

Single Cable Assembly

1	2	4	5	8

Example PCH XP 06 40 01

SINGLE CABLE ASSEMBLIES

1. Assembly Type	2. Cable Type	4. Color	5. Length (Feet)	8. Cable Number Label
PCS = Pre-Connectorized Singel Cable	XP = Cat6A Plenum	06 = Blue	xxx = Requires 3 Digits	00 = No Number Label
PRS = Port Replication Single Cable	XR = Cat6A Riser		Example:	01 = #1
	2P = Cat6 Plenum		001 = 1 Foot	02 = #2
	2R = Cat6 Riser		002 = 2 Feet	10 = #10
	1P = Cat5e Plenum		010 = 10 Feet	99 = #99
	1R = Cat5e Riser		300 = 300 Feet	
	2Z = Cat6 LSZH*	05 = Green		

*Note: LSZH Option "2Z" is only available in Spiral Bound Bundles and in the "05" Green color option

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