DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

RJ45 ADAPTERS AND CAT5 SYSTEM CABLES
NX SYSTEM ACCESSORIES

FEATURES

• Supports NX Distributed Intelligence™ Lighting Controls

• Plenum rated

• Low voltage device: 24 VDC

• Five-year limited warranty

C (UL) US LISTED

BUY AMERICAN SOLUTIONS
See Certification Specifications

RELATED PRODUCTS

🔗 NX Occupancy/Vacancy Sensors   🔗 NX Daylight Sensor

🔗 NX Network Bridge Module   🔗 NX Room Controller

CONTROL TECHNOLOGY

NX DISTRIBUTED™ INTELLIGENCE

SPECIFICATIONS

CONSTRUCTION
• Sabic Noryl HS2000X

• Gray

• White (NXRJSPLITTER)

• 0.8 oz (22.7 g)

• RJ45ADAPTER Dimensions: 2.17" L (55.12mm) x 1.10" W (27.94mm) x 1.0" H (25.40mm)

• NXRJSPLITTER Dimensions: 1.32" L (33.53mm) x 1.49" W (37.85mm) x 0.83" H (21.09mm)

MOUNTING
• RJ45ADAPTER may be mounted using a zip-tie (not included) or with a #8 or #10 mounting screw (not included)

MOUNTING (CONTINUED)
• NXRJSPLITTER is to be installed in an Electrical Junction Box (not included)

ELECTRICAL
• Max cable length supported: 300 ft from device to control module

• Class 2 device

• 4 Terminal connectors

  • Red: +24V

  • Blue: Occupancy Sensor Input

  • Yellow: Photocell/Daylight Sensor Input

  • Black: Common

CERTIFICATIONS
• cULus listed

• RJ45ADAPTER is UL2043 compliant (Plenum rated)

• NXRJSPLITTER is not Plenum rated

• This product qualifies as "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 5/27/2020. See Buy American Solutions.

WARRANTY
• 5 year limited

• See HCS Standard Warranty for additional information

ORDERING GUIDE

Example: RJ45ADAPTER-T

CATALOG # _____

RJ45ADAPTER —

Model		TAA	
RJ45ADAPTER	RJ45 Adapter for NX Occupancy and Daylight Sensors	Blank	Standard Product
		T	TAA

HUBBELL ® **Lighting**

⌖ DIMENSIONAL DRAWINGS

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

RJ45 ADAPTERS AND CAT5 SYSTEM CABLES
NX SYSTEM ACCESSORIES

ORDERING GUIDES

Example: NXRJSPLITTER

CATALOG #

NXRJSPLITTER

Model
NXRJ45SPLITTER[1] NX RJ45 Splitter 2-way female for Cat5, used with NX Occupancy Sensors and NX Daylight Sensors

NXRJ45SPLITTER

Notes:
1   Not Plenum rated - To be installed in a sealed junction box

Example: CAT5-3IN-OR-PLENUM

CATALOG #

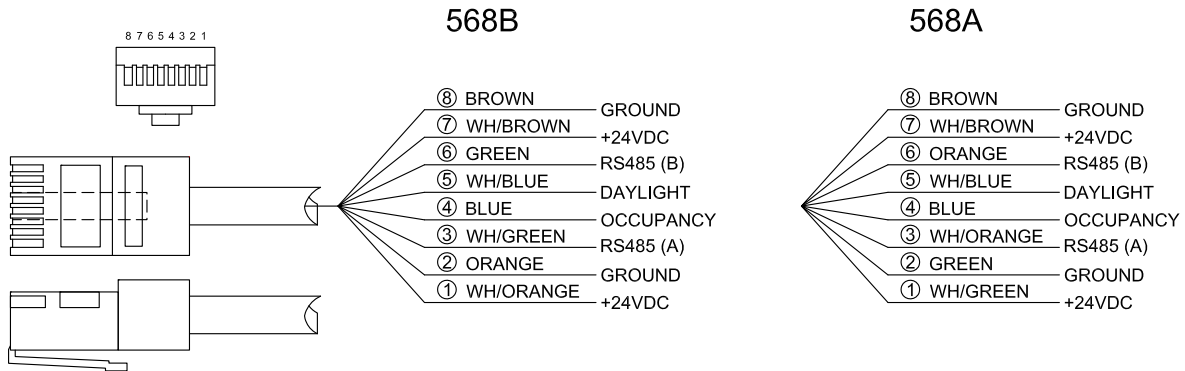| Model/Description	
CAT5-3IN-OR-PLENUM	Pre-terminated Cat5 Cable, Plenum Rated, 3in, Orange
CAT5-3F-OR-PLENUM	Pre-terminated Cat5 Cable, Plenum Rated, 3ft, Orange
CAT5-10F-OR-PLENUM	Pre-terminated Cat5 Cable, Plenum Rated, 10ft, Orange
CAT5-25F-OR-PLENUM	Pre-terminated Cat5 Cable, Plenum Rated, 25ft, Orange
CAT5-50F-OR-PLENUM	Pre-terminated Cat5 Cable, Plenum Rated, 50ft, Orange
CAT5-100F-OR-PLENUM	Pre-terminated Cat5 Cable, Plenum Rated, 100ft, Orange

CAT5-XX-OR-PLENUM

CaT5 Cable Pinout
When cutting Cat5 cable to specific lengths, the cable pin out is as follows:

Pin No.	Wire Color
1	White with Orange stripe
2	Orange
3	White with Green stripe
4	Blue
5	White with Blue stripe
6	Green
7	White with Brown stripe
8	Brown

568B

8 7 6 5 4 3 2 1

Pin	Color	Signal
⑧	BROWN	GROUND
⑦	WH/BROWN	+24VDC
⑥	GREEN	RS485 (B)
⑤	WH/BLUE	DAYLIGHT
④	BLUE	OCCUPANCY
③	WH/GREEN	RS485 (A)
②	ORANGE	GROUND
①	WH/ORANGE	+24VDC

568A

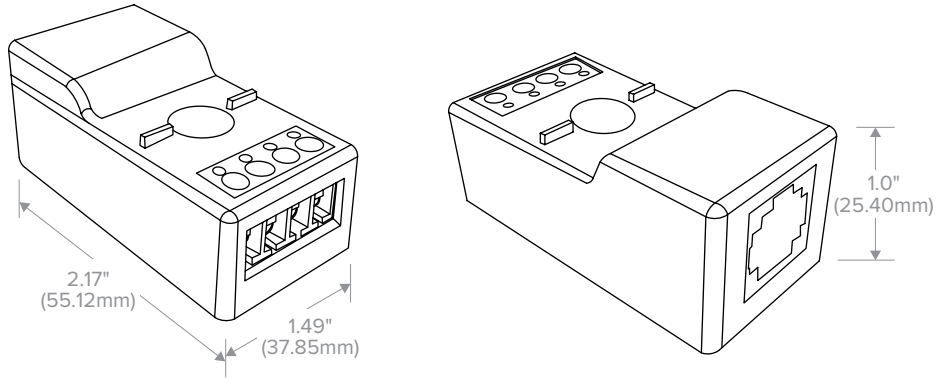| Pin	Color	Signal
⑧	BROWN	GROUND
⑦	WH/BROWN	+24VDC
⑥	ORANGE	RS485 (B)
⑤	WH/BLUE	DAYLIGHT
④	BLUE	OCCUPANCY
③	WH/ORANGE	RS485 (A)
②	GREEN	GROUND
①	WH/GREEN	+24VDC

Note:
The NX SmartPORT™ Connector pin numbering scheme matches that of the standard RJ45 connector system. However, the pin assignment is different. There are two standard Cat5 color codes, 568A and 568B. HCS recommends using 568B but there may be cases in the field where the cable is 568A. It is important to match the colors and wire pairings on both sides of the cable.

HUBBELL
Lighting®

RJ45 ADAPTERS AND CAT5 SYSTEM CABLES
NX SYSTEM ACCESSORIES

DIMENSIONS

2.17"
(55.12mm)

1.49"
(37.85mm)

1.0"
(25.40mm)

ADDITIONAL INFORMATION

Wiring Diagrams

CAT5 Cable continues to either an
NX Room Controller or from an NX
Occupancy Sensor or Daylight Sensor

Typical 4"
Junction Box

NXRJSPLITTER

CAT5 Cable continues to either an
NX Room Controller or from an NX
Occupancy Sensor or Daylight Sensor

CAT5 Cable continues to either an
NX Room Controller or from an NX
Occupancy Sensor or Daylight Sensor

NXRJ45SPLITTER
(Typical Installation)

HUBBELL
Lighting ®