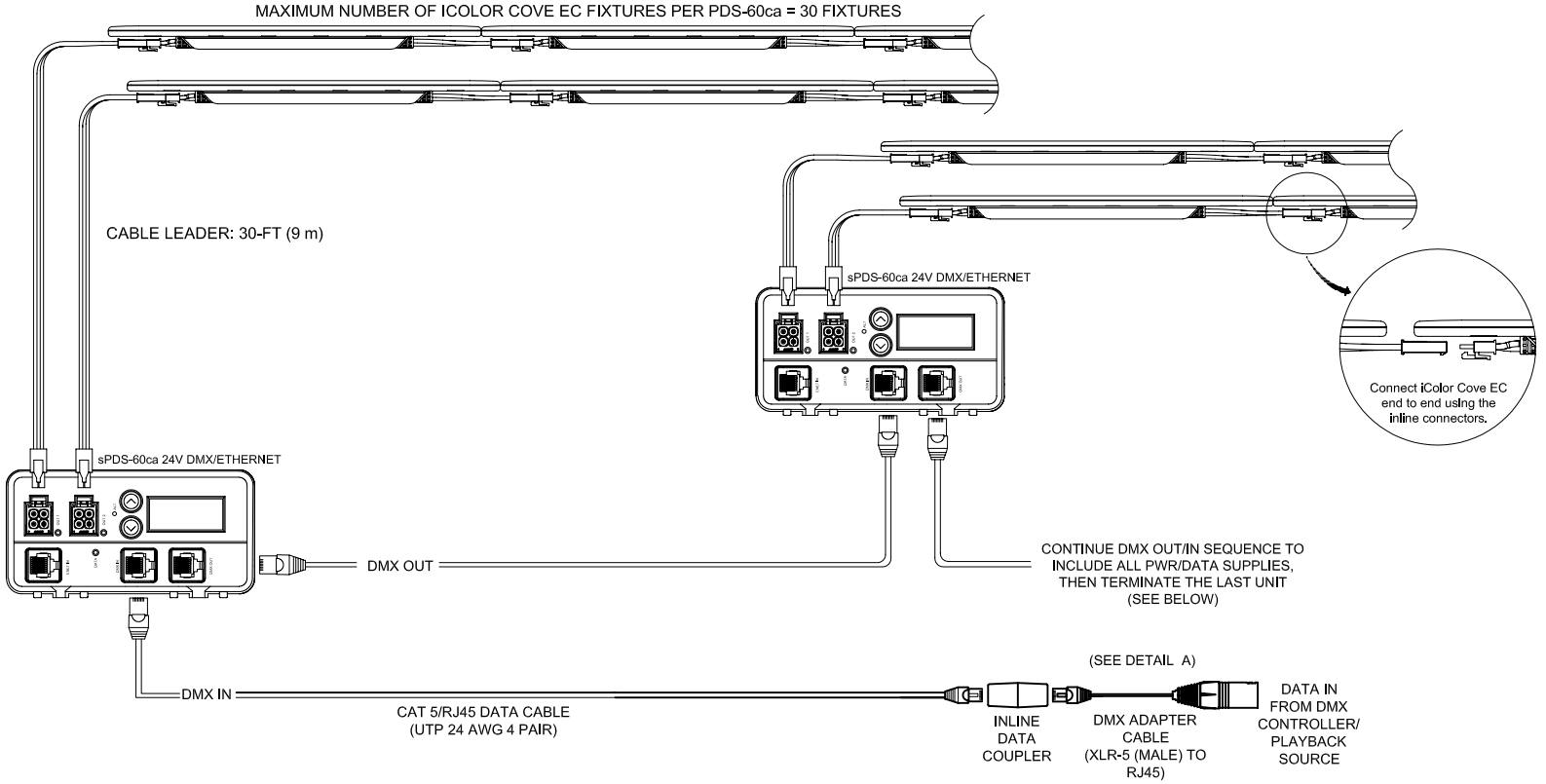
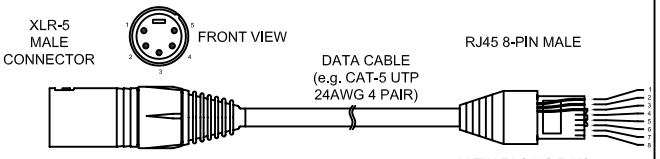


NOTE:
- USE A THIRD PARTY DMX REPEATER ON EVERY 32nd PDS UNIT IN THE DAISY CHAIN OR WHEN THE TOTAL DMX DATA RUN EXCEEDS 1000 FEET (300m). REFER TO THE "RECOMMENDED PRACTICES FOR DMX512" FOR FURTHER INFORMATION REGARDING INSTALLATIONS UTILIZING DMX512. CONTACT TECHNICAL SUPPORT FOR RECOMMENDED THIRD PARTY DMX REPEATERS.
- PLACE A DATA TERMINATOR IN THE DMX LOOP OUT PORT OF THE LAST PDS UNIT IN THE DAISY-CHAIN.
- MAXIMUM NUMBER OF LIGHTS PER PDS-60ca: 30 (ALL ON ONE OUTPUT OR DIVIDED BETWEEN THE TWO OUTPUTS).
- DO NOT SHORTEN OR LENGTHEN LEADER CABLE. CUTTING THE LEADER CABLE WILL DAMAGE THE DATA DRIVE CIRCUITRY.
- WHEN USING 1-FT JUMPER CABLES CONTACT APPLICATION ENGINEERING FOR RUN LIMITATIONS.

ADDRESSING AND CONTROL:
- ON-BOARD ADDRESSING FEATURES:
  - SEQUENTIAL: EACH LIGHT IS UNIQUELY ADDRESSED AND REQUIRES 3 CONSECUTIVE DMX CHANNELS.
  - ALL SAME ADDRESS: ALL FIXTURES ARE CONTROLLED BY 3 CONSECUTIVE DMX CHANNELS.
  - SEE USER GUIDE FOR GROUP ADDRESSING FUNCTIONS

DETAIL A



REQUIRED FOR COLOR KINETICS PRODUCTS (WHEN MAKING CABLES)

DATA -	PIN 2	PIN 1	DATA -	(USUALLY WHITE/ORANGE)
DATA +	PIN 3	PIN 2	DATA +	(USUALLY ORANGE)
SHIELD	PIN 1	PIN 3	SHIELD	(USUALLY WHITE/GREEN)

PINS 4,5 NOT USED — PINS 4-8 NOT USED

WIRE COLORS ARE TYPICAL OF CAT-5/RJ45 DATA CABLES, BUT MAY DIFFER. WHEN USING OTHER TYPES OF CABLES PAY CLOSE ATTENTION TO THE PIN DETAIL.

PHILIPS

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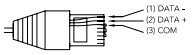
DATA TERMINATOR

PLACE IN DMX LOOP OUT PORT OF POWER/DATA SUPPLY WHEN REQUIRED (SEE NOTES)

CAT5/RJ45 PINOUT



(VIEW FACING PINS)

TITLE:	SYSTEM WIRING DIAGRAM (TYP)	DATE: 6-6-2008
		DWG. BY: BHG
PRODUCTS:	iCOLOR COVE EC/sPDS-60ca 24V/DMX CONTROLLER	SCALE: NTS
		REV:
		PAGE: 1 OF 1

PHILIPS SOLID-STATE LIGHTING SOLUTIONS 3 BURLINGTON WOODS DRIVE BURLINGTON, MA 01803 TEL 1.888.FULL.RGB (1.888.385.5742) FAX 1.617.482.8610 WWW.COLORKINETICS.COM