

2021 Encoder Wiring Standards

Connectors

Encoders

	XLR 6 pin (Mogami big black cable)	XLR 6 pin (General Lift) Mogami small grey cable	LEMO 5pin (General Lift) Mogami small grey cable	LEMO 6pin (General Lift) (General Lift)	LEMO 6pin (DreamQuest) Encodacam	AMP CPC 8 pin (Lynx)	NEUTRICON 8 Pin (180 deg)	US Digital Corp. S1 (180 deg)	US Digital Corp. S1 & S2	Quantum Devices HD25	Quantum Devices QD787	Computer Optical Products CP-350	DRC (Dynamic Research Corp)	BEI H25D/H25G Encodacam	BEI H25D/H25G Encodacam	Scancon SCA-5000 Encodacam FIZ	Scancon SCA-5000 Encodacam FIZ	*THOMA Focus/Zoom
Ground/Shield	b	1	r	1	1	2	1,8	1	1	blu w/wht	1	8	3,6	BLK/VIO	BLK 1	BLU 1	BLU 1	3
Ch. 1 Phase A	2	2	3	2	1	4	2	3	wht w/blu	7	2	1	ORG	YEL 2	PNK 2	GRY 2	4 blu/gry	
Ch. 1 Phase B	3	3	5	3	3	3	3	5	wht w/brn	5	6 lavender	8	YEL	BLU 3	GRN 3	GRN 3	5	
Ch. 2 Phase A	4	4				6							GRN					
+5 volts DC	y	5	o	5	4	5	4	4	4	org w/wht	2	1	2,7	RED	RED 5	RED 5	RED 5	6 org/brn
Ch. 2 Phase B	6	6				7							BLU					
Home Ground								5										
Home A								6										
Home B								7										
Home Power								8										
Index				6												ORG 6	WHT 6	WHT 6

*The Mogami big black cable pin 1 wires are the brown and red strand clear wires; the pin 5 wires are the yellow and orange strand clear wires.

*The silver colored drain wires in each of the four color strands are twisted together and soldered to the XLR connector tabs. The copper shielding wires in each strand are cut off.

*Thoma Encoders use old connector for color reference.