Wiring List
Sorted By End Connector Type

JBOX	Quantity	Start Location	Start Location Connector	End Location	End Location Connector	Wire Description	Drawing	AMPS	SPECIAL	Estimated Length
A	2	PLC Cabinet	Flying Leads	CARRIAGE	D60	6 wire with individually shielded pairs, 2 amp single pair, low current on rest	Rack 1 Slot 6.dwg		ULTRA HIGH FLEX	79
C	4	PLC Cabinet	Flying Leads	IDS	D60	6 wire with individually shielded pairs, 2 amp single pair, low current on rest	Rack 1 Slot 6.dwg			30
A	2	PLC Cabinet	Flying Leads	CARRIAGE	D70	8 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 1 Slot 13.dwg		ULTRA HIGH FLEX	79
A	2	PLC Cabinet	Flying Leads	CARRIAGE	D70	8 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 1 Slot 14.dwg		ULTRA HIGH FLEX	79
B	12	PLC Cabinet	Flying Leads	HYD	DT06-2S-EP04	2 Wire; shielded	Rack 0 Slot 9+10.dwg	2		20
A	1	PLC Cabinet	OP-84338	CARRIAGE	Flying Leads	8 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 1 Slot 7.dwg		ULTRA HIGH FLEX	79
A	3	PLC Cabinet	OP-84338	CARRIAGE	Flying Leads	8 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 1 Slot 8.dwg		ULTRA HIGH FLEX	79
A	5	PLC Cabinet	Flying Leads	CARRIAGE	Flying Leads	2 wire shielded	Rack 1 Slot 8.dwg		ULTRA HIGH FLEX	79
A	4	PLC Cabinet	Flying Leads	CARRIAGE	Flying Leads	2 wire shielded	Rack 1 Slot 9.dwg		ULTRA HIGH FLEX	79
A	16	PLC Cabinet	Flying Leads	CARRIAGE	Flying Leads	1 WIRE	Rack 2 Slot 1.dwg	2	ULTRA HIGH FLEX	79
A	1	PLC Cabinet	Flying Leads	CARRIAGE	Flying Leads	1 WIRE	Rack 2 Slot 10+11.dwg	2	ULTRA HIGH FLEX	79
A	2	PLC Cabinet	Flying Leads	CARRIAGE	Flying Leads	1 WIRE	Rack 2 Slot 10+11.dwg	2	ULTRA HIGH FLEX	79
A	12	PLC Cabinet	Flying Leads	CARRIAGE	Flying Leads	1 WIRE	Rack 3 Slot 7+8.dwg	2	ULTRA HIGH FLEX	79
A	2	PLC Cabinet	Flying Leads	CARRIAGE	Flying Leads	1 WIRE	Rack 3 Slot 9+10.dwg	2	ULTRA HIGH FLEX	79
A	4	PLC Cabinet	Flying Leads	CARRIAGE	Flying Leads	8 Wire Ethernet Cable			ULTRA HIGH FLEX	79
B	1	PLC Cabinet	Flying Leads	HYD	Flying Leads	6 wire with individually shielded pairs, 2 amp single pair, low current on rest	Rack 1 Slot 6.dwg			20
B	1	PLC Cabinet	Flying Leads	HYD	Flying Leads	6 wire with individually shielded pairs, 2 amp single pair, low current on rest	Rack 1 Slot 7.dwg			20
B	10	PLC Cabinet	Flying Leads	HYD	Flying Leads	1 WIRE	Rack 2 Slot 10+11.dwg	2		20
B	11	PLC Cabinet	Flying Leads	HYD	Flying Leads	1 WIRE	Rack 3 Slot 11+12.dwg	2		20
B	10	HYD	Flying Leads	Sensors	Flying Leads	2 Wire	Rack 2 Slot 10+11.dwg			
C	14	PLC Cabinet	Flying Leads	LANCE	Flying Leads	1 WIRE	Rack 2 Slot 1.dwg	2		30
C	14	PLC Cabinet	Flying Leads	LANCE	Flying Leads	1 WIRE	Rack 3 Slot 9+10.dwg	2		30
D	14	PLC Cabinet	Flying Leads	OCS	Flying Leads	2 wire shielded	Rack 1 Slot 5.dwg			45
D	16	PLC Cabinet	Flying Leads	OCS	Flying Leads	1 WIRE	Rack 2 Slot 4.dwg	1		45
D	32	PLC Cabinet	Flying Leads	OCS	Flying Leads	1 WIRE	Rack 2 Slot 5.dwg	1		45
D	28	PLC Cabinet	Flying Leads	OCS	Flying Leads	1 WIRE	Rack 2 Slot 6.dwg	1		45
D	2	PLC Cabinet	Flying Leads	OCS	Flying Leads	1 WIRE	Rack 2 Slot 10+11.dwg	1		45
D	32	PLC Cabinet	Flying Leads	OCS	Flying Leads	1 WIRE	Rack 3 Slot 15.dwg	1		45
D	9	PLC Cabinet	Flying Leads	OCS	Flying Leads	1 WIRE	Rack 3 Slot 16.dwg	1		45
D	4	PLC Cabinet	Flying Leads	CARRIAGE	Flying Leads	8 Wire Ethernet Cable				79
E	16	PLC Cabinet	Flying Leads	pod 1	Flying Leads	1 WIRE	Rack 2 Slot 2.dwg	2		45
E	16	PLC Cabinet	Flying Leads	pod 1	Flying Leads	1 WIRE	Rack 2 Slot 3.dwg	2		45
E	6	PLC Cabinet	Flying Leads	pod 1	Flying Leads	1 WIRE	Rack 2 Slot 7.dwg	2		45
E	4	PLC Cabinet	Flying Leads	pod 1	Flying Leads	1 WIRE	Rack 3 Slot 3+4.dwg	2		45
E	8	PLC Cabinet	Flying Leads	pod 1	Flying Leads	1 WIRE	Rack 3 Slot 5+6.dwg	2		45
E	4	PLC Cabinet	Flying Leads	INDEX	Flying Leads	1 WIRE	Rack 2 Slot 10+11.dwg	2		45
E	12	PLC Cabinet	Flying Leads	INDEX	Flying Leads	1 WIRE	Rack 3 Slot 3+4.dwg	2		45
E	4	PLC Cabinet	Flying Leads	PIPE KICKER	Flying Leads	1 WIRE	Rack 2 Slot 10+11.dwg	2		45
F	16	PLC Cabinet	Flying Leads	pod 2	Flying Leads	1 WIRE	Rack 2 Slot 3.dwg	2		60
F	16	PLC Cabinet	Flying Leads	pod 2	Flying Leads	1 WIRE	Rack 2 Slot 4.dwg	2		60
F	6	PLC Cabinet	Flying Leads	pod 2	Flying Leads	1 WIRE	Rack 2 Slot 7.dwg	2		60
F	8	PLC Cabinet	Flying Leads	pod 2	Flying Leads	1 WIRE	Rack 3 Slot 5+6.dwg	2		60
F	4	PLC Cabinet	Flying Leads	pod 2	Flying Leads	1 WIRE	Rack 3 Slot 7+8.dwg	2		60
F	16	PLC Cabinet	Flying Leads	INDEX	Flying Leads	1 WIRE	Rack 3 Slot 1+2.dwg	2		60
F	4	PLC Cabinet	Flying Leads	PIPE KICKER	Flying Leads	1 WIRE	Rack 2 Slot 10+11.dwg	2		60
G	2	PLC Cabinet	Flying Leads	WATER REC	Flying Leads	6 wire with individually shielded pairs	Rack 1 Slot 6.dwg			75
G	4	PLC Cabinet	Flying Leads	WATER REC	Flying Leads	1 WIRE	Rack 2 Slot 10+11.dwg	2		75
G	2	PLC Cabinet	Flying Leads	WATER REC	Flying Leads	1 WIRE	Rack 3 Slot 11+12.dwg	2		75
G	4	WATER REC	Flying Leads	Sensors	Flying Leads	2 Wire	Rack 2 Slot 10+11.dwg			5
	2	PLC Cabinet	Flying Leads	EXTERNAL WATER JET	Flying Leads	1 WIRE	Rack 3 Slot 11+12.dwg	2		75
A	4	PLC Cabinet	Flying Leads	CARRIAGE	M12	4 wire shielded	Rack 1 Slot 2.dwg		ULTRA HIGH FLEX	79
A	8	PLC Cabinet	Flying Leads	CARRIAGE	M12	4 wire shielded	Rack 1 Slot 3.dwg		ULTRA HIGH FLEX	79
A	16	CARRIAGE	Flying Leads	Sensors	M12	3 Wire	Rack 2 Slot 1.dwg			
A	1	CARRIAGE	Flying Leads	Sensors	M12	3 Wire	Rack 2 Slot 10+11.dwg			
A	2	CARRIAGE	Flying Leads	Sensors	M12	3 Wire	Rack 2 Slot 10+11.dwg			
B	1	PLC Cabinet	Flying Leads	HYD	M12	4 wire shielded	Rack 1 Slot 3.dwg			20
B	4	PLC Cabinet	Flying Leads	HYD	M12	4 wire shielded	Rack 1 Slot 4.dwg			20
C	12	PLC Cabinet	Flying Leads	IDS	M12	4 wire shielded	Rack 1 Slot 2.dwg			30
C	2	PLC Cabinet	Flying Leads	IDS	M12	4 wire shielded	Rack 1 Slot 4.dwg			30
C	2	PLC Cabinet	Flying Leads	IDS	M12	4 wire shielded	Rack 1 Slot 4.dwg			30

Wiring List
Sorted By End Connector Type

JBOX	Quantity	Start Location	Start Location Connector	End Location	End Location Connector	Wire Description	Drawing	AMPS	SPECIAL	Estimated Length
C	14	LANCE	Flying Leads	Sensors	M12	3 Wire	Rack 2 Slot 1.dwg			
E	2	PLC Cabinet	Flying Leads	pod 1	M12	4 wire shielded	Rack 1 Slot 3.dwg			45
E	4	PIPE KICKER	Flying Leads	Sensors	M12	3 Wire	Rack 2 Slot 10+11.dwg			5
E	16	pod 1	Flying Leads	Sensors	M12	3 Wire	Rack 2 Slot 2.dwg			5
E	16	pod 1	Flying Leads	Sensors	M12	3 Wire	Rack 2 Slot 3.dwg			5
E	6	pod 1	Flying Leads	Sensors	M12	3 Wire	Rack 2 Slot 7.dwg			5
E	2	INDEX	Flying Leads	Sensors	M12	3 Wire	Rack 2 Slot 10+11.dwg			5
F	2	PLC Cabinet	Flying Leads	pod 2	M12	4 wire shielded	Rack 1 Slot 3.dwg			60
F	4	PIPE KICKER	Flying Leads	Sensors	M12	3 Wire	Rack 2 Slot 10+11.dwg			5
F	16	pod 2	Flying Leads	Sensors	M12	3 Wire	Rack 2 Slot 3.dwg			5
F	16	pod 2	Flying Leads	Sensors	M12	3 Wire	Rack 2 Slot 4.dwg			5
F	6	pod 2	Flying Leads	Sensors	M12	3 Wire	Rack 2 Slot 7.dwg			5
F	2	INDEX	Flying Leads	Sensors	M12	3 Wire	Rack 2 Slot 10+11.dwg			5
G	3	PLC Cabinet	Flying Leads	WATER REC	M12	4 wire shielded	Rack 1 Slot 3.dwg			75
A	1	PLC Cabinet	Flying Leads	CARRIAGE	M18 10 Pin Connector	10 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 1 Slot 15.dwg		ULTRA HIGH FLEX	79
A	1	PLC Cabinet	Flying Leads	CARRIAGE	M18 10 Pin Connector	10 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 4.dwg		ULTRA HIGH FLEX	79
A	1	PLC Cabinet	Flying Leads	CARRIAGE	M18 10 Pin Connector	10 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 4.dwg		ULTRA HIGH FLEX	79
C	2	PLC Cabinet	Flying Leads	LANCE	M18 10 Pin Connector	10 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 1 Slot 15.dwg			30
C	1	PLC Cabinet	Flying Leads	LANCE	M18 10 Pin Connector	10 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 3.dwg			30
C	1	PLC Cabinet	Flying Leads	LANCE	M18 10 Pin Connector	10 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 3.dwg			30
E	1	PLC Cabinet	Flying Leads	Pod 1	M18 10 Pin Connector	10 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 2.dwg			45
E	1	PLC Cabinet	Flying Leads	Pod 1	M18 10 Pin Connector	10 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 5.dwg			45
E	1	PLC Cabinet	Flying Leads	Pod 1	M18 10 Pin Connector	10 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 6.dwg			45
F	1	PLC Cabinet	Flying Leads	Pod 2	M18 10 Pin Connector	10 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 2.dwg			60
F	1	PLC Cabinet	Flying Leads	Pod 2	M18 10 Pin Connector	10 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 5.dwg			60
F	1	PLC Cabinet	Flying Leads	Pod 2	M18 10 Pin Connector	10 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 6.dwg			60
A	1	PLC Cabinet	Flying Leads	CARRIAGE	Rexroth 00021267	8 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 9+10.dwg		ULTRA HIGH FLEX	79
A	1	PLC Cabinet	Flying Leads	CARRIAGE	Rexroth 00021267	8 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 9+10.dwg		ULTRA HIGH FLEX	79
A	1	PLC Cabinet	Flying Leads	CARRIAGE	Rexroth 00021267	8 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 9+10.dwg		ULTRA HIGH FLEX	79
A	1	PLC Cabinet	Flying Leads	CARRIAGE	Rexroth 00021267	8 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 11+12.dwg		ULTRA HIGH FLEX	79
A	1	PLC Cabinet	Flying Leads	CARRIAGE	Rexroth 00021267	8 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 11+12.dwg		ULTRA HIGH FLEX	79
A	1	PLC Cabinet	Flying Leads	CARRIAGE	Rexroth 00021267	8 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 11+12.dwg		ULTRA HIGH FLEX	79
C	1	PLC Cabinet	Flying Leads	LANCE	Rexroth 00021267	8 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 9+10.dwg			30
C	1	PLC Cabinet	Flying Leads	LANCE	Rexroth 00021267	8 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 9+10.dwg			30
C	1	PLC Cabinet	Flying Leads	LANCE	Rexroth 00021267	8 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 9+10.dwg			30
C	1	PLC Cabinet	Flying Leads	LANCE	Rexroth 00021267	8 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 9+10.dwg			30
C	1	PLC Cabinet	Flying Leads	LANCE	Rexroth 00021267	8 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 9+10.dwg			30
C	1	PLC Cabinet	Flying Leads	LANCE	Rexroth 00021267	8 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 9+10.dwg			30
C	1	PLC Cabinet	Flying Leads	LANCE	Rexroth 00021267	8 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 9+10.dwg			30
E	1	PLC Cabinet	Flying Leads	POD 1	Rexroth 00021267	8 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 11+12.dwg			45
F	1	PLC Cabinet	Flying Leads	POD 2	Rexroth 00021267	8 Wire with Individually shielded pairs, 2 amp single pair, low current on rest	Rack 0 Slot 11+12.dwg			60

NOTES: Where AMPS is not notated, the primary wiring is for signals. Use a wire larger than 24 gauge
NOTES: Each junction box is to include 16 spare 1 lead wires capable of 2 amps traveling back to the PLC cabinet
NOTES: Each junction box is to include 8 spare 4 wire shielded cable traveling back to the PLC cabinet
NOTES: Each junction box is to include 4 wires, 16 gauge, labeled 24VDC+ traveling back to the PLC cabinet
NOTES: Each junction box is to include 4 wires, 16 gauge, labeled 24VDC COM traveling back to the PLC cabinet
NOTES:The CARRIAGE junction box is to include 2 wires, 16 gauge, labeled L1 traveling back to the PLC cabinet
NOTES: Each CARRIAGE junction box is to include 2 wires, 16 gauge, labeled L2 traveling back to the PLC cabinet