

CABLE ID	CABLE TYPE	FROM	TO	SPACING	LENGTH (m)	NOTES	REV
CA-Z0002-1	BELDEN 3076F PROFIBUS CABLE	NSP-Z901-1	FIT-Z0002	0%	4	PROFIBUS	00
CA-Z0002-3	2C, 16 AWG, ACIC 300V, OS	CP-Z800	FIT-Z0002	0%	5	24Vdc power to FIT-Z0002	00
CA-Z0002-4	See note	FIT-Z0002	FE-Z0002	0%	30	CABLE SUPPLIED WITH FE-Z0002 AND INSTALLED IN CONDUIT	00
CA-Z0002-5	See note	FIT-Z0002	FE-Z0002	0%	30	CABLE SUPPLIED WITH FE-Z0002 AND INSTALLED IN CONDUIT	00
CA-Z0003	2C, 16 AWG, ACIC 300V	CP-Z800	LSH-Z0003	0%	8		00
CA-Z0007	2C, 16 AWG, ACIC 300V	CP-Z800	LSH-Z0007	0%	8		00
CA-Z0041	2C, 16 AWG, ACIC 300V	CP-Z800	LSL-Z0041	0%	4		00
CA-Z0042	4C, 16 AWG, ACIC 300V	CP-Z800	FSL-Z0042	0%	4		00
CA-Z004-1	6C, 16 AWG, ACIC 300V	CP-Z800	MS-Z004	0%	3		00
CA-Z004-2	2C, 16 AWG, ACIC 300V	CP-Z800	MS-Z004	0%	4		00
CA-Z0050	2C, 16 AWG, ACIC 300V	CP-Z801	PSH-Z0050	0%	3		00
CA-Z005-1	4C, 16 AWG, ACIC 300V	CP-Z800	MS-Z005	0%	3		00
CA-Z005-2	2C, 16 AWG, ACIC 300V	CP-Z800	MS-Z005	0%	4		00
CA-Z0060	2C, 16 AWG, ACIC 300V	CP-Z800	CP-Z006	0%	4		00
CA-Z5030	2C, 16 AWG, ACIC 300V	CP-Z800	PSL-Z5030	0%	4		00
CA-Z6010-1	4C, 16 AWG, ACIC 300V	CP-Z800	JBA-Z6010	0%	4		00
CA-Z6020	2C, 16 AWG, ACIC 300V	CP-Z800	PDSH-Z6020	0%	3		00
CA-Z6030-1	1PR, 18 AWG, ACIC 600V, OS	CP-Z800	HCE-Z6030	0%	4		00
CA-Z6030-2	BELDEN 3076F PROFIBUS CABLE	NSP-Z901-1	TT-Z6030	0%	3	PROFIBUS	00
CA-Z6040	2C, 16 AWG, ACIC 300V	XS-Z6040	CP-Z800	0%	4		00
CA-Z604-1	4C, 16 AWG, ACIC 300V	CP-Z800	MS-Z604	0%	3		00
CA-Z604-2	4C, 16 AWG, ACIC 300V	CP-Z800	MS-Z604	0%	4		00
CA-Z605	2C, 16 AWG, ACIC 300V	CP-Z800	MSH-Z605	0%	4		00
CA-Z6060-1	4C, 16 AWG, ACIC 300V	CP-Z800	JBA-Z6060	0%	4		00
CA-Z6101	BELDEN 3076F PROFIBUS CABLE	NSP-Z901-1	TT-Z6101	0%	3	PROFIBUS	00
CA-Z7030	2C, 16 AWG, ACIC 300V	PNL-Z703	CP-Z800	0%	3	TVSS FAULT ALARM INPUT TO PLC	00
CA-Z8001	2C, 16 AWG, ACIC 300V	CP-Z800	ES-Z8001	0%	3		00
CA-Z8002	2C, 16 AWG, ACIC 300V	CP-Z800	ES-Z8002	0%	3		00
CA-Z8003	2C, 16 AWG, ACIC 300V	CP-Z800	ES-Z8003	0%	3		00
CA-Z901-1	BELDEN 3076F PROFIBUS CABLE	CP-Z800	NSP-Z901-1	0%	1	BELDEN 376F OR APPROVED EQUAL	00
CA-Z9801-1	2C, 16 AWG, ACIC 300V	CP-Z800	ZSC-Z9801-1	0%	4		00
CA-Z9801-2	2C, 16 AWG, ACIC 300V	CP-Z800	ZSC-Z9801-2	0%	4		00

Notes:

1. The spacing column refers to the minimum percentage of a cable diameter, that must be between the nearest adjacent cable. Where two cables are adjacent, the spacing between the cables shall be the larger of the two spacings specified. Note that cables with a minimum spacing of 0%, may not be adjacent to existing or new cables with unspecified spacing.
2. The length is an estimate only and is not to be utilized for construction. The contractor is responsible for determining the required cable lengths.
3. This schedule is provided for reference only. The potential omission of any cables on this schedule, which may be required, does not reduce the contractor's responsibility in providing a complete
4. All conductors are copper, unless indicated otherwise.

DISCRETE INPUTS (BMXDDI1602)								
PLC	SLOT	POINT	Tag	Description	0 STATE	1 STATE	Notes	I/O TYPE
PLC-Z800	2	1	LSH-Z0003	Level switch high alarm	High Level	Level Ok		DI
PLC-Z800	2	2	LSL-Z0041	Level switch high alarm	Low Level	Level Ok		DI
PLC-Z800	2	3	PSL-Z5030	Pressure switch low alarm	Low Pressure	Pressure Ok		DI
PLC-Z800	2	4	FSL-Z0042	Flow switch low alarm	No Flow	Flow		DI
PLC-Z800	2	5	LSH-Z0007	Level switch high alarm	High Level	Level Ok		DI
PLC-Z800	2	6	ZSC-Z9801-1	Door contact alarm	Door Open	Door Closed		DI
PLC-Z800	2	7	XV-Z6010.ZSO	Open limit switch status	Not Fully Open	Fully Open		DI
PLC-Z800	2	8	XV-Z6010.ZSC	Closed limit switch status	Not Fully Closed	Fully Closed		DI
PLC-Z800	2	9	XV-Z6060.ZSO	Open limit switch status	Not Fully Open	Fully Open		DI
PLC-Z800	2	10	XV-Z6060.ZSC	Closed limit switch status	Not Fully Closed	Fully Closed		DI
PLC-Z800	2	11	MSH-Z605	Humidistat high alarm monitor	High humidity	Humidity Ok		DI
PLC-Z800	2	12	PDSH-Z6020	High Differential Pressure Switch	High DP	DP Ok		DI
PLC-Z800	2	13	ES-Z8001	120VAC power status	Fail	Ok	RELAY	DI
PLC-Z800	2	14	ES-Z8002	Battery fault status	Fault	Ok	RELAY	DI
PLC-Z800	2	15	ES-Z8003	Low battery status	Battery Low	Battery Ok	RELAY	DI
PLC-Z800	2	16	ZSC-Z9801-2	Door contact alarm	Door Open	Door Closed		DI
PLC-Z800	3	1	SF-Z604.Rem	Switch in remote status	Not In Remote	In Remote	Supply Fan	DI
PLC-Z800	3	2	SF-Z604.Run	Run status	Not Running	Running	Supply Fan	DI
PLC-Z800	3	3	P-Z004.Rem	Switch in remote status	Not In Remote	In Remote	Sample Pump	DI
PLC-Z800	3	4	P-Z004.Run	Run status	Not Running	Running	Sample Pump	DI
PLC-Z800	3	5	P-Z004.OL	O/L status	O/L Trip	O/L Ok	Sample Pump	DI
PLC-Z800	3	6	P-Z005.Rem	Switch in remote status	Not In Remote	In Remote	Vacuum Pump	DI
PLC-Z800	3	7	P-Z005.Run	Run status	Not Running	Running	Vacuum Pump	DI
PLC-Z800	3	8	PSH-Z0050	Vacuum pump pressure switch	no vacuum	Vacuum Ok	Vacuum Pump	DI
PLC-Z800	3	9	ZS-Z6040.CmdOn	Building Occupancy Sensor	Building Empty	Building Occupied		DI
PLC-Z800	3	10	ES-Z7030	SPD Failure	Failure	Status Ok		DI
PLC-Z800	3	11		SPARE				DI
PLC-Z800	3	12		SPARE				DI
PLC-Z800	3	13		SPARE				DI
PLC-Z800	3	14		SPARE				DI
PLC-Z800	3	15		SPARE				DI
PLC-Z800	3	16		SPARE				DI
DISCRETE OUTPUTS (BMXDRA0805)								
PLC	SLOT	POINT	Tag	Description	0 STATE	1 STATE	Notes	I/O TYPE
PLC-Z800	4	1	SA-Z006.CmdOn	Sampler Solenoid Valve	Idle	Take Sample	Sampler is 24VDC	DO
PLC-Z800	4	2	SF-Z604.CmdRun	Supply Fan Start/Stop	Stop	Start		DO
PLC-Z800	4	3	P-Z004.CmdRun	Sample Pump Start/Stop	Stop	Start		DO
PLC-Z800	4	4	P-Z005.CmdRun	Vacuum Pump Start/Stop	Stop	Start		DO
PLC-Z800	4	5		SPARE				DO
PLC-Z800	4	6		SPARE				DO
PLC-Z800	4	7		SPARE				DO
PLC-Z800	4	8		SPARE				DO
PLC-Z800	4	9		SPARE				DO
PLC-Z800	4	10		SPARE				DO
PLC-Z800	4	11		SPARE				DO
PLC-Z800	4	12		SPARE				DO
PLC-Z800	4	13		SPARE				DO
PLC-Z800	4	14		SPARE				DO
PLC-Z800	4	15		SPARE				DO
PLC-Z800	4	16		SPARE				DO
ANALOG OUTPUTS (BMXAMO0410)								
PLC	SLOT	POINT	Tag	Description	TYPE	EU RANGE	Notes	I/O TYPE
PLC-Z800	5	1	TY-Z6030	AO to heating coil (HCE-Z603)	4-20 mA	0 to 40 °C		AO
PLC-Z800	5	2	FIT-Z0002	Flow Output Connection	4-20 mA	0-2000 L/sec		AO
PLC-Z800	5	3		SPARE				AO
PLC-Z800	5	4		SPARE				AO
PROFIBUS PA INPUTS (R2-SP-N4)								
PLC	SLOT	POINT	Tag	Description	TYPE	EU RANGE	Notes	I/O TYPE
PLC-Z800			FIT-Z0002	Flow indicatio transmitter	Profibus	0 to 2000 L/sec		Profibus
PLC-Z800			TT-Z6101	Ambient air temperature	Profibus	-40 to 40 °C		Profibus
PLC-Z800			TT-Z6030	Temperature Transmitter	Profibus	-40 to 40 °C		Profibus
PLC-Z800				SPARE				

CABLE ID	CABLE TYPE	FROM	TO	SPACING	LENGTH (m)	NOTES	REV
C-Z004-1	4C, 12 AWG, TECK90, 600V	PNL-Z703	MS-Z004	0%	8		00
C-Z004-2	3C, 12 AWG, TECK90, 600V	MS-Z004	P-Z004	0%	3		00
C-Z005-1	2C, 12 AWG, TECK90, 600V	PNL-Z703	MS-Z005	0%	8		00
C-Z005-2	2C, 12 AWG, TECK90, 600V	MS-Z005	P-Z005	0%	3		00
C-Z501	2C, 12 AWG, TECK90, 600V	PNL-Z703	P-Z501	0%	8		00
C-Z503	2C, 12 AWG, TECK90, 600V	PNL-Z703	CMP-Z503	0%	8		00
C-Z603	3C, 6 AWG, TECK90, 600V	PNL-Z703	HCE-Z603	0%	4		00
C-Z604	2C, 12 AWG, TECK90, 600V	PNL-Z703	MS-Z604	0%	8		00
C-Z604-1	2C, 12 AWG, TECK90, 600V	MS-Z604	JBA-Z6010	0%	8		00
C-Z604-2	2C, 12 AWG, TECK90, 600V	MS-Z604	JBA-Z6060	0%	8		00
C-Z604-3	2C, 12 AWG, TECK90, 600V	MS-Z604	SF-Z604	0%	8		00
C-Z606	3C, 12 AWG, TECK90, 600V	PNL-Z703	UH-Z606	0%	8		00
C-Z607	3C, 12 AWG, TECK90, 600V	PNL-Z703	UH-Z607	0%	4		00
C-Z608	2C, 12 AWG, TECK90, 600V	PNL-Z703	HTR-Z608	0%	6		00
C-Z702-1	3x 1C, 2 AWG, ACSR (SPARROW)	HYDRO	25kV DISCONNECT POLE	100%	40		00
C-Z702-2	3x 1C, 2 AWG, ACSR (SPARROW)	25kV DISCONNECT POLE	25kV DIP POLE	100%	40		00
C-Z702-3	3C, 2 AWG, HVTECK, 15kV, SHIELDED, 100%	25kV DIP POLE	XFMR-Z702	100%	1300		00
C-Z702-4	4C, 1/0 AWG, TECK90, 1000V	XFMR-Z702	PNL-Z702	100%	6		00
C-Z702-5	3C, 1/0 AWG, TECK90, 1000V	PNL-Z702	PNL-Z704	100%	45		00
C-Z703	4- 1C, 4 AWG, RW90, 600V	PNL-Z702	PNL-Z703	100%	2		00
C-Z801-1	2C, 12 AWG, TECK90, 600V	PNL-Z703	ADP-Z801	0%	8		00
C-Z801-2	2C, 12 AWG, TECK90, 600V	ADP-Z801	Main and Lower Lighting	0%	20		00
C-Z703-1	2C, 12 AWG, TECK90, 600V	PNL-Z703	Exterior Lighting	0%	10		00
C-Z703-2	2C, 12 AWG, TECK90, 600V	PNL-Z703	Main Floor Receptacles	0%	10		00
C-Z703-3	2C, 12 AWG, TECK90, 600V	PNL-Z703	Lower Floor Receptacles	0%	10		00
C-Z703-4	2C, 12 AWG, TECK90, 600V	PNL-Z703	Fridge Receptacle	0%	8		00
C-Z006	2C, 12 AWG, TECK90, 600V	PNL-Z703	CP-Z006	0%	8		00
C-Z800	3C, 12 AWG, TECK90, 600V	PNL-Z703	CP-Z800	0%	2		00

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2. The length is an estimate only and is not to be utilized for construction. The contractor is responsible for determining the required cable lengths.
3. This schedule is provided for reference only. The potential omission of any cables on this schedule, which may be required, does not reduce the contractor's responsibility in providing a complete installation.
4. All conductors are copper, unless indicated otherwise.
5. Wiring associated with lighting and receptacle loads are not necessarily comprehensively shown.