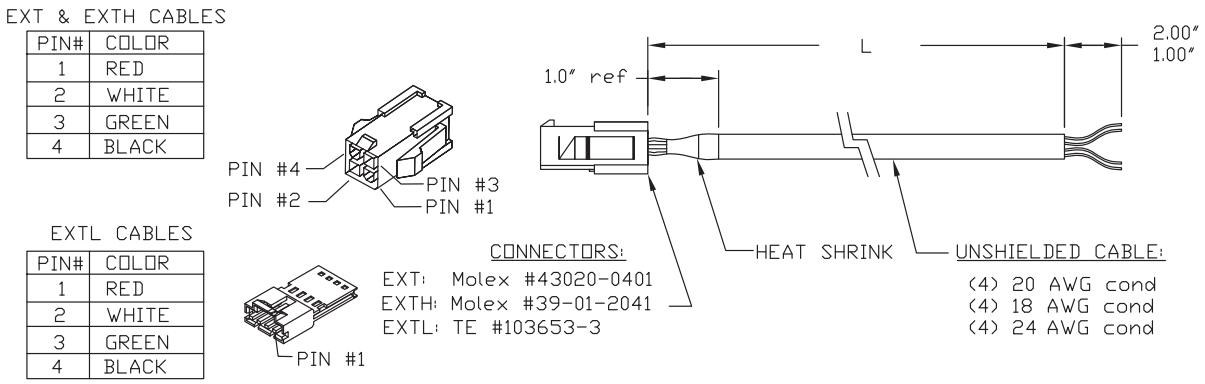
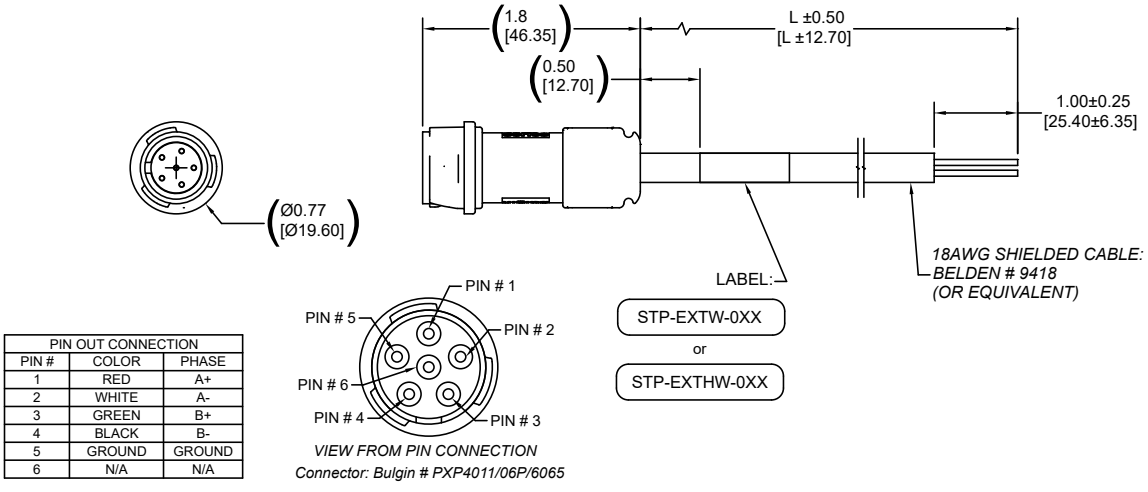
SureStep® Cables, *continued*

SureStep Series – Stepping System Cables						
Cable	***Price***	***Purpose***	***Length***	***Use With***	***Cable End Connectors***	***Drawing***
STP-CON-3	<--->	replacement connector kit	n/a	STP-MTRD-xxxxxR	-	PDF
STP-CON-4	<--->	replacement connector kit	n/a	STP-DRVA-RC-050**A**	-	PDF
STP-CON-5	<--->	replacement connector kit	n/a	STP-DRV-4830	-	PDF
STP-CON-6	<--->	replacement connector kit	n/a	STP-DRVAC-24025	-	PDF
STP-485DB9-CBL-2	<--->	4-wire programming cable	6.5 ft	STP-MTRD-xxxxxR	DB9 / Phoenix 5-conductor plug	PDF
STP-USBENC-CBL-1	<--->	USB programming cable	3 ft	STP-MTRA-ENC9,ENC10	17-pin / USB	PDF

STP-EXT(x)-0xx Extension Cable Wiring Diagram



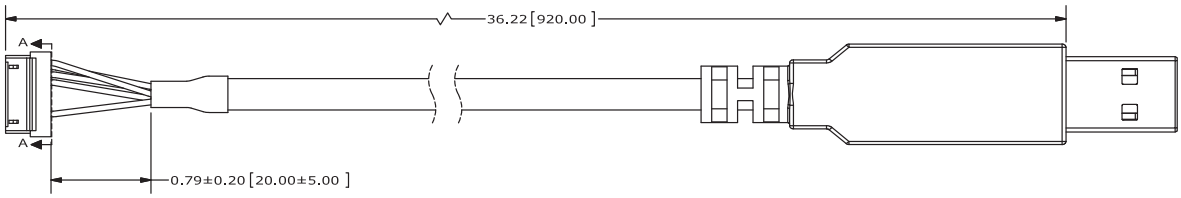
STP-EXTW-0xx and STP-EXTHW-0xx Extension Cable Wiring Diagram

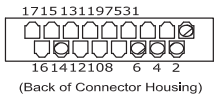


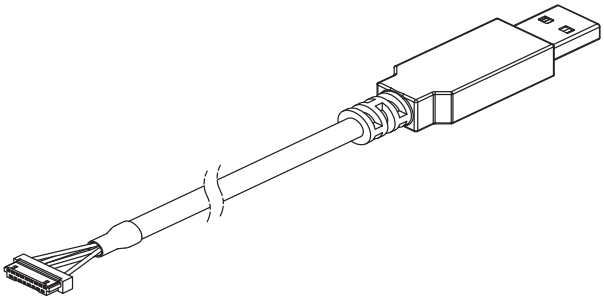
PIN OUT CONNECTION		
PIN #	COLOR	PHASE
1	RED	A+
2	WHITE	A-
3	GREEN	B+
4	BLACK	B-
5	GROUND	GROUND
6	N/A	N/A

SureStep® Cables, continued

STP-USBENC-CBL-1 Wiring Diagram

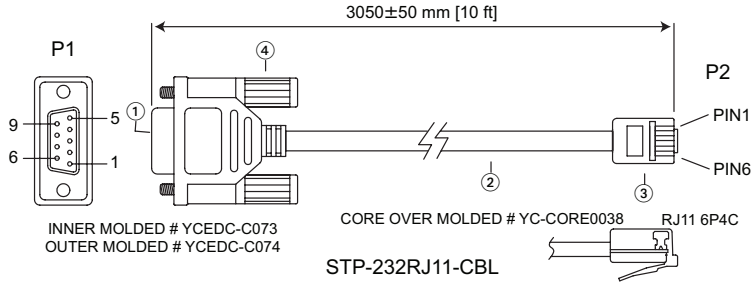






Connector Pinout	
#FunctIonColor	Pin
TX_ENC+Yellow	1
RX_ENC+Orange	2
GNDBlack	4
+5VRed	6
MCLRBGreen	14

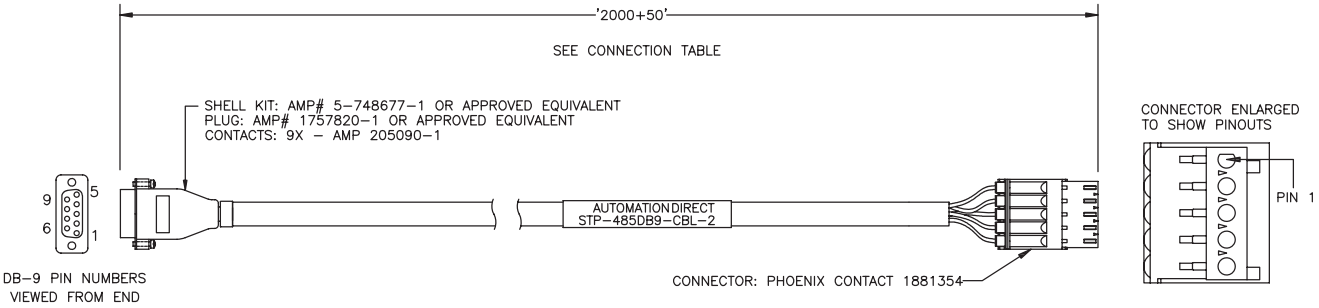
STP-232RJ11-CBL Programming Cable Wiring Diagram



WIRE CONNECTION

(DB9) P1		P2 (RJ11 6P4C)
2	RX — TX	3
3	TX — RX	5
4	nc — nc	4
5	GND — GND	2

①	DB 9P FEMALE CONNECTOR SHELL: FRONT NICKEL BACK TIN INSULATOR COLOR: BLACK
②	CABLE: CAT-5 UTP 24AWG (7/0.203BA*2PR) 100MHz COLOR: BLACK OD: 4.5mm
③	RJ11 6P4C PLATED GOLD 3U"
④	SCREW: #4-40UNC PD40*175TNP COLOR: BLACK

STP-485DB9-CBL-2 4-wire Programming Cable Wiring Diagram

CONNECTION CHART				
DB−9 CONN PIN	DB9 SIGNAL	WIRE COLOR	PHOENIX PIN	PHOENIX SIGNAL
2	TX+	RED	5	RX+
1	TX−	ORANGE	4	RX−
3	RX+	BLACK	3	TX+
4	RX−	BROWN	2	TX−
5	GND	YELLOW	1	GND
METAL HOUSING	SHIELD	SHIELD	N/C	N/C