



WIRE LIST				
P1	P2 (DSUB)	SIGNAL	COND.	COLOR
1	4	A	C0	BLACK
2	5	B	C1	BROWN
3	NC	I (REF)	C2	RED
4	3	C	C3	ORANGE
5	7	D	C4	YELLOW
6	2	E	C5	GREEN
7	6	F	C6	BLUE
8	1	J (AUX)	C7	PURPLE
9	8	G	C8	GRAY
10	9	H	C9	WHITE
SHELL	SHELL	CHSGND	OUTER SHIELD	SHIELD/DRAIN

TABLE 1	
LENGTH	TOLERANCE
<2M	+5CM/-0CM
2 TO 5M	+10CM/-0CM
>5M	+15CM/-0CM

CONNECTORS AND HARDWARE <sup>2</sup>	
REF DES	DESCRIPTION
P1	HIROSE IX INDUSTRIAL CONNECTOR, FEMALE, TYPE B OR EQUIVALENT
P2	9-POSITION DSUB, FEMALE, WITH INTEGRATED 4-40 NUTS

CABLE DETAILS				
REF DES	CONSTRUCTION	CONDUCTORS	INSULATION	JACKET
1	10 STRAIGHT UNSHIELDED, WITH OVERALL SHIELD	24 AWG TINNED STRANDED COPPER (7/0.20MM)	0.23MM THICK SRPVC, 1.10MM OD	0.76MM THICK PVC, 6.90MM OD

**METRIC**

CUSTOMER DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS AND [INCHES]

NI.COM  
AUSTIN, TEXAS

DO NOT SCALE DRAWING  
THIRD ANGLE PROJECTION

TITLE  
SHDB9F-IXBF

SIZE CODE IDENT NO. MM/DD/YYYY  
D 7U296 09/10/2021

SCALE: 1/1 SHEET 1 OF 1

<sup>2</sup> PRODUCT AND COMPANY NAMES MENTIONED ARE TRADEMARKS OR TRADE NAMES OF THEIR RESPECTIVE COMPANIES.  
1. REFER TO PRODUCT MANUAL ON NI.COM FOR MORE DETAILS.  
NOTES: UNLESS OTHERWISE SPECIFIED.