

2 June 2009

Wire #	Gage	Color	From	To	Signal	Wire Color Chart			
						Pair	Wire1	Wire2	AWG
P1-1	#22	Red-Wh	J1-G	P1-1	MOT B+	P1	Red-Wh	Blue-Wh	22
P1 Drain	#22	---	J1-U	P1-2	Mot Gnd	P2	Yellow-Wh	White	22
P6-1	#26	Red	J1-C	P1-3	+5v	P3	Yellow	Grey	26
P3-1	#26	Yellow	J1-T	P1-4	A-	P4	Blue	Green	26
P4-1	#26	Blue	J1-P	P1-5	B-	P5	Brown	Orange	26
P2-1	#22	Yellow-Wh	J1-L	P1-6	Mot A+	P6	Red	Black	26
P1-2	#22	Blue-Wh	J1-J	P1-7	MOT B-	P7	Orange-Wh	Black-Wh	26
P5-2	#26	Orange	J1-M	P1-8	Z+	QR019-2150-01			
P3-2	#26	Grey	J1-O	P1-9	A+				
P5-1	#26	Brown	J1-N	P1-10	Z-				
P2-2	#22	White	J1-A	P1-11	MOT A-				
P2 Drain	#22	---	J1-U	P1-12	MOT GND				
P4-2	#26	Green	J1-R	P1-13	B+				
P7-2	#26	Black-Wh	J1-S	P1-14	GND				
P7-1	#26	Orange-Wh	J1-E	P1-15	MEM				
P6-2	#26	Black	NC	NC	Not Used				

Connector P1 Shell: Connect to drains of P1, P2, P3, P4, P5, P6, P7  
 Connector J1 Shell: Connect to Drains of P1 and P2. Also connect these drains to J1 pin U, and P1 pins 2, 12 as above. Keep drains P1/P2 isolated from drains P3 through P7 at J1.

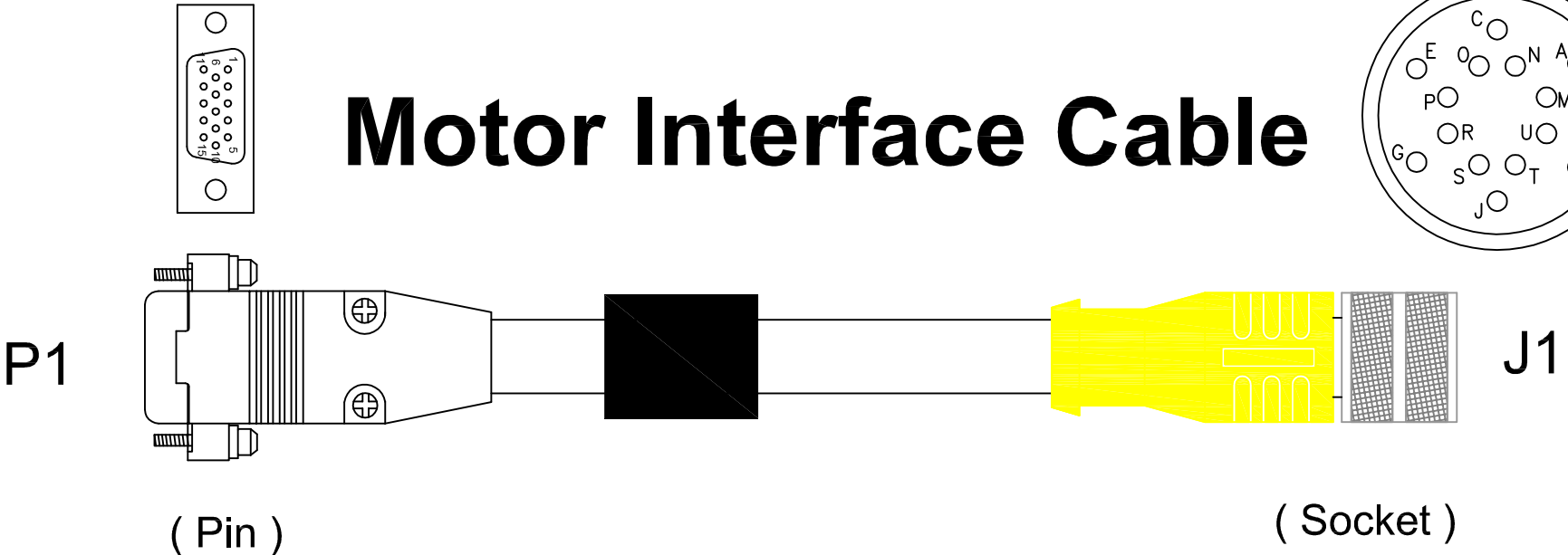
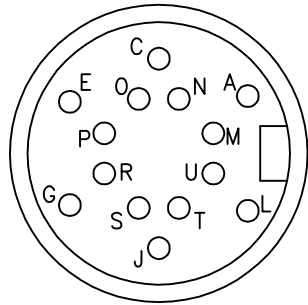
## I-Grade System

- > Connects Controller/Driver to IP65 Motor/Encoder
- I-Grade SilverNugget N2, SilverNugget N3 & SilverDust D2
- I-Grade IP65 17, 23 & 34 Motor/Encoder

- \* Carries only encoder power/signals on 34 Frame Motor/Encoder
- \* IP65 motor end

# Motor Interface Cable

J1 EXPOSED FRONT VIEW



QCI-C-D15P-T14S-nn  
 ( nn=length in feet )

\* Not Actual Size