

9.2 Standard Cable (10-way)

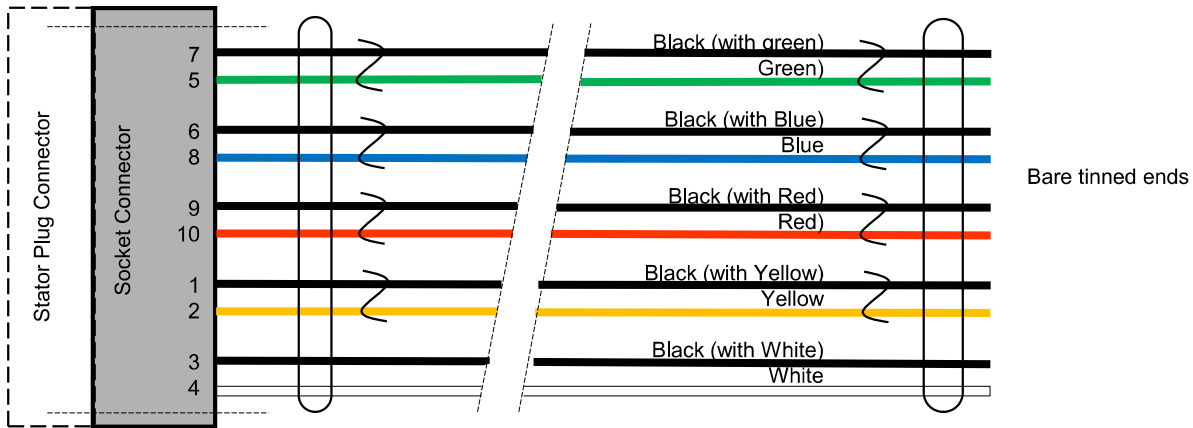
Mating connector and tinned wires on other end.

Use this for ABZ comms.

If used for SSI, SPI, ASI, DCV & BiSS-C comms, do not use connector pins 3 & 4.



- Product Option **INC – CAB5 – 2** (2m long)
- Product Option **INC – CAB5 – 5** (5m long)
- Product Option **INC – CAB5 – 10** (10m long)



Notes

- Cable is 10-way, 24 AWG stranded (7x32) conductors, semi-rigid PVC external insulation & jacket, 5x twisted pairs, overall foil shield (100% cover), 24AWG stranded drain tinned copper drain wire.
- Socket Connector: Harwin DataMate J-Tek 10-way with 2 jack screws, part number M80-461-10-42
- Temperature Rating = -30 to +80Celsius. UL Temperature Rating 80Celsius (UL AWM Style 2464)
- Diameter = 7.3mm
- Cable length = 2, 5 or 10m (±5%) as standard
- Min. flexing rad. = 76mm with a 1-off bend radius (e.g. on installation) of 20mm
- For integral cable connection table see Section 5.10.5.

Pair No.	Colour	Connector Pin (For Info. Only)	Signal (A/B pulses & Z Ref.)	Digital Output SSI, SPI & BiSS-C	Digital Output ASI	Analogue DCV Output (0-5V, 0-10V etc)
1	Black	7	A complement	Data B	Data B	Signal Ref.
1	Green	5	A	Data A	Data A	Signal
2	Black	6	B complement	Clock B	Not Used	Direction Set
2	Blue	8	B	Clock A	Not Used	Span Set
3	Black	9	0V	0V	0V	0V
3	Red	10	V _{supply}	V _{supply}	V _{supply}	V _{supply}
4	Black	1	Z Ref Set	Zero Set	Zero Set	Zero Set
4	Yellow	2	Z Ref. Reset	Zero Reset	Zero Reset	Reset
5	Black	3	Z	Reserved - NC	Reserved - NC	Reserved - NC
5	White	4	Z complement	Reserved - NC	Reserved - NC	Reserved - NC