# Instrumentation Signal and Control Cables

The following table indicates the acronyms used in GLEN drawings as well as the cable types and maximum recommended distances.

| NO. | TYPE | CABLE CONFIGURATION | MAXIMUM RECOMMENDED DISTANCE |
|---|---|---|---|
| CAB1 | Communications | 4 twisted pair, 1.5 $mm^2$ shielded, 13.6 ohm / K | 600 m with communications only.<br>500 m typical for QRH, remote release and laser sensor. |
| CAB2 | Communications | 2 twisted pair, 0.5 $mm^2$ shielded, 13.6 ohm / K | 600 m |
| CAB3M | Fibre Optic | Multimode 50/125 uM 4 cores with SC connectors<br>or<br>Multimode 62.5/125 uM 4 cores with SC connectors | 2 km |
| CAB3S | Fibre Optic | Single mode 9/125 uM 4 cores with SC connectors | Upto 20 km |
| CAB4 | Control | XC + E<br>size, construction and armoring dependant on installation requirements | Distance dependant on power demand and conductor cross sectional area. |
| CAB5 | Network | CAT5E or CAT6 | 100 m |
| CAB6 | Printer | USB | 3 m |
| CAB7 | Control | 1.5 $mm^2$ shielded, number of cores to suit | 20 m |
| CAB8 | Antenna VHF, UHF or GPS | RG213 / CNT400 | 30 m |
| CAB9 | Single Phase Power | 2C + E | Distance dependant on power demand and conductor cross sectional area. |
| CAB10 | Three Phase Power | 3C + E | Distance dependant on power demand and conductor cross sectional area. |

NOTES:

1. Please confirm distance limitations with GLEN engineers as actual configurations can affect maximum distances.
2. Construction and armoring of cable dependant on regional installation requirements.
3. GLEN to be notified where neutral can not be provided with three phase power.