

## 1. Model : MK3 Series

## 2. Outline

MK3 cable is the dedicated extension cable for HA-705 series head with water proof connector plug RM-15 WTPA-8P-(9).

## 3. Configuration

|           |       |
|-----------|-------|
| MK3 - 30  | 30 m  |
| MK3 - 50  | 50 m  |
| MK3 - 100 | 100 m |
| MK3 - 120 | 120 m |
| MK3 - 135 | 135 m |
| MK3 - 150 | 150 m |

## 4. Specifications

Connectors to be procured :

| Cable unit side                             | Compatible socket                           |
|---|---|
| Cannon connector plug MS3106B18-8P (JAE)    | Cannon connector receptacle                 |
| Cannon connector clamp MS3057-10A (JAE)     | MS3102A18-8S (JAE)                          |
| Connector plug RM-15WTPA-8P-(9)<br>(HIROSE) | Connector jack RM-15WTJA-8S-(6)<br>(HIROSE) |

Cable : 8 wire cable with PE insulation PVC sheath

Cable length : 30, 50, 100, 120, 135, 150 ( m ) / 98.42', 164.04', 328.08', 393.70', 442.91', 492.12'

Cable diameter : Max. 10.5 mm / 0.41"

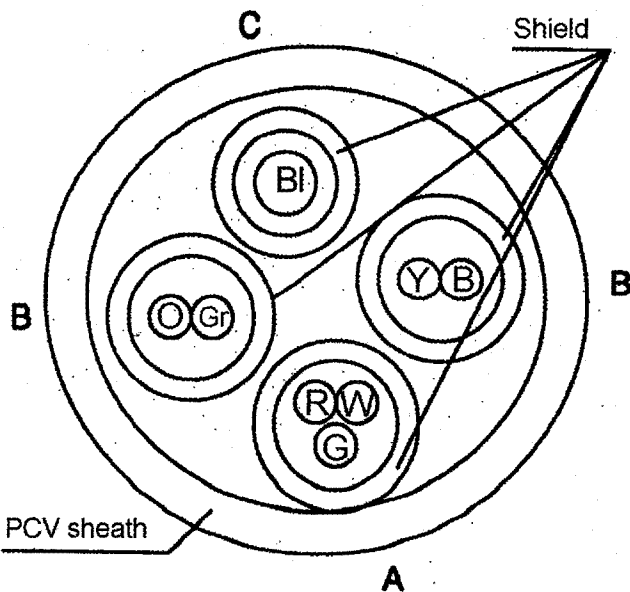
Temperature range : -15 to 60°C / 5 to 140°F

Mass : 110kg / km , 242.50Pb / km

### 5. Wire connections

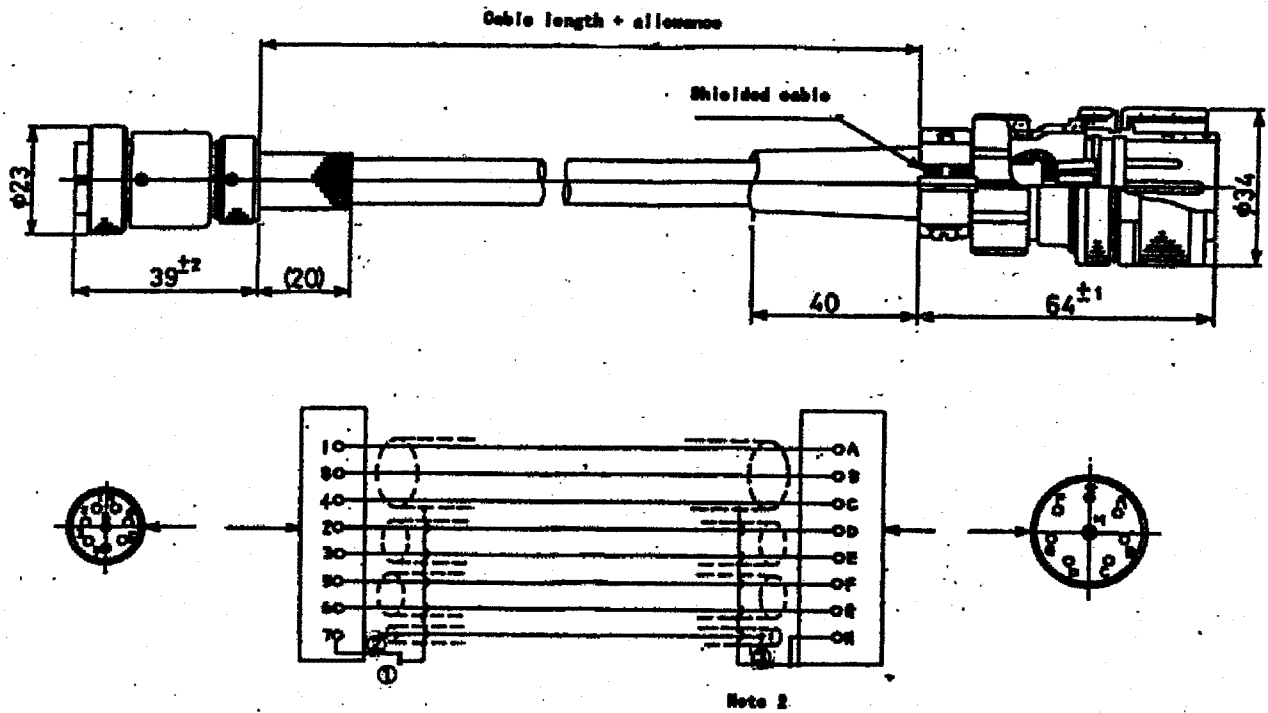
| Connector plug<br>M-15WTPA-8P-(9) (HIROSE) |        |         | Connection | Cannon connector plug<br>MS3106B18-8P (JAE) |          |         |
|--|--------|---------|------------|---|----------|---------|
| Signals                                    | Wires  | Pin No. |            | Pin No.                                     | Wires    | Signals |
| EX+  | Red    | 1       |            | A   | Red      | EX+     |
| CH1+                                       | Blue   | 2       |            | B   | Green    | EX      |
| CH1-                                       | Yellow | 3       |            | C   | White    | EX-     |
| EX-  | White  | 4       |            | D   | Blue     | CH1+    |
| CH2+                                       | Orange | 5       |            | E   | Yellow   | CH1-    |
| CH2-                                       | Gray   | 6       |            | F   | Orange   | CH2+    |
| Shield                                     | Shield | 7       |            | G   | Gray     | CH2-    |
| EX   | Green  | 8       |            | H   | Shield   | Shield  |
| not used                                   | Black  |         |            | Black                                       | not used |         |

### 6. Cross section of the cable



|    |        |
|----|--------|
| Bl | Black  |
| O  | Orange |
| Gr | Gray   |
| R  | Red    |
| W  | White  |
| G  | Green  |
| Y  | Yellow |
| B  | Blue   |

## 7. Dimensions



| Model     | Allowance                         |
|-----------|-----------------------------------|
| MK3 - 30  | +150 to +550 mm / +5.90 to 21.65" |
| MK3 - 50  | +200 to +800 mm / +7.87 to 31.50" |
| MK3 - 100 | +200 to +800 mm / +7.87 to 31.50" |
| MK3 - 120 | +200 to +800 mm / +7.87 to 31.50" |
| MK3 - 135 | +200 to +800 mm / +7.87 to 31.50" |
| MK3 - 150 | +200 to +800 mm / +7.87 to 31.50" |

Note1 : The end of ①,②,③ are insulated not to touch the metallic part of the connector and other wires.

Note 2 : Bundle the shield and clamp it.