

**Features**

- Teflon jacket extreme operating temperature
- Excellent EMI/RFI immunity
- Watertight connectors
- Resistant to oil, fuel etc.

**Description**

For more information about the pin outs of the connectors, refer to the *Recorder User Guide*, available from ISAAC Instruments member download section.

**1. Extension cable for sensors, detectors (Mini sure-seal® receptacle/plug)**

This cable allows to extend the sensors/detectors to different lengths:

| Part Number    | Length       |
|----------------|--------------|
| CBLEXT-SHT-001 | 1' (30cm)    |
| CBLEXT-SHT-002 | 2' (60cm)    |
| CBLEXT-SHT-003 | 3' (90cm)    |
| CBLEXT-SHT-004 | 4' (120cm)   |
| CBLEXT-SHT-005 | 5' (150cm)   |
| CBLEXT-LNG-006 | 6' (180cm)   |
| CBLEXT-LNG-008 | 8' (240cm)   |
| CBLEXT-LNG-010 | 10' (305cm)  |
| CBLEXT-LNG-012 | 12' (365cm)  |
| CBLEXT-XLG-016 | 16' (480cm)  |
| CBLEXT-XGL-020 | 20' (610cm)  |
| CBLEXT-XGL-024 | 24' (730cm)  |
| CBLEXT-XGL-030 | 30' (915cm)  |
| CBLEXT-XGL-040 | 40' (1220cm) |
| CBLEXT-XGL-050 | 50' (1525cm) |
| CBLEXT-XGL-060 | 60' (1830cm) |



Mini sure-seal receptacle/plug

CBLEXT-SHT-xxx  
 CBLEXT-LNG-xxx  
 CBLEXT-XGL-xxx

**2. Extension cable for sensors, detectors (Mini sure-seal® receptacle or plug/flying leads)**

| Part Number    | Length | Description                              |
|----------------|--------|--|
| CBLEXT-SHT-PLG | 5'     | Mini-sure seal plug - flying leads       |
| CBLEXT-SHT-RCT | 5'     | Mini-sure seal receptacle - flying leads |
| CBLEXT-LNG-PLG | 12'    | Mini-sure seal plug - flying leads       |
| CBLEXT-LNG-RCT | 12'    | Mini-sure seal receptacle - flying leads |
| CBLEXT-XGL-RCT | 30'    | Mini-sure seal receptacle - flying leads |

Pin outs:

| Wire color   | Signal         |
|--------------|----------------|
| White-Orange | V <sup>+</sup> |
| White        | Signal         |
| White-Blue   | Ground         |



Mini sure-seal receptacle/flying leads

CBLEXT-SHT-xxx  
 CBLEXT-LNG-xxx  
 CBLEXT-XGL-xxx

**3. Power extension cable - Deutsch plug/flying leads**

This cable allows to use the engine battery as the power source for the ISAAC Instruments Recorder. Length is 180cm (6').

Pin outs:

| Wire color | Signal           |
|------------|------------------|
| White      | PWR <sup>+</sup> |
| White-Blue | PWR <sup>-</sup> |



CBLEXT-DCH

**4. Power extension cable - Deutsch receptacle/plug**

This cable allows to extend the length of the power supply cable of the Recorder.

Different lengths:

| Part Number    | Length      |
|----------------|-------------|
| CBLEXT-DCH-001 | 1' (30cm)   |
| CBLEXT-DCH-006 | 6' (180cm)  |
| CBLEXT-DCH-020 | 20' (610cm) |



CBLEXT-DCH-xxx

**5. CAN extension cable - Deutsch receptacle/flying leads**

This cable allows to connect ISAAC Instruments Recorder to an available CAN bus or J1708.

Different lengths:

| Part Number    | Length      | Description               |
|----------------|-------------|---------------------------|
| CBLEXT-CAN     | 6' (180cm)  | Receptacle-2 flying leads |
| CBLEXT-CAN-020 | 20' (610cm) | Receptacle-2 flying leads |

Pin outs:

| Wire color | Signal            |
|------------|-------------------|
| White      | CAN_Hi or J1708_A |
| White-Blue | CAN_Lo or J1708_B |



CBLEXT-CAN

**6. CAN extension cable - Deutsch receptacle/plug**

The cable allows to extend the CAN connection.

Different lengths:

| Part Number    | Length      |
|----------------|-------------|
| CBLEXT-CAN-DCH | 6' (180cm)  |
| CBLEXT-CAN-020 | 20' (610cm) |



CBLEXT-CAN-xxx

**6. COM extension cable - Deutsch receptacle/plug**

This cable allows to extend the COM connection.

Different lengths :

| Part Number    | Length      |
|----------------|-------------|
| CBLEXT-DT8-001 | 1' (30cm)   |
| CBLEXT-DT8-002 | 2' (60cm)   |
| CBLEXT-DT8-006 | 6' (180cm)  |
| CBLEXT-DT8-012 | 12' (366cm) |



CBLEXT-DT8

**Specifications**

| Description                     | Symbol     | Min       | Typ | Max       | Unit  |
|---------------------------------|------------|-----------|-----|-----------|-------|
| Connector operating temperature | $T_{Oper}$ | -30 (-22) |     | 85 (185)  | C (F) |
| Cable operating temperature     |            | -55 (-67) |     | 150 (302) |       |