

Description

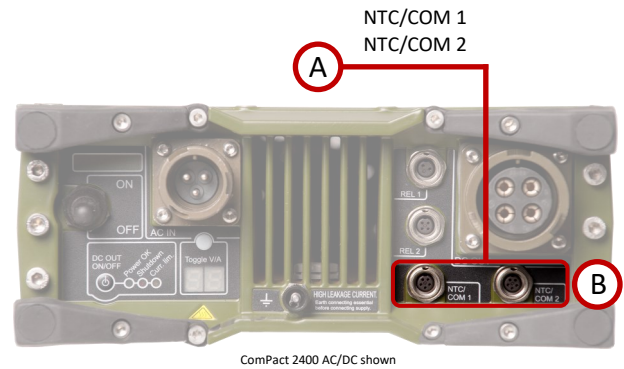
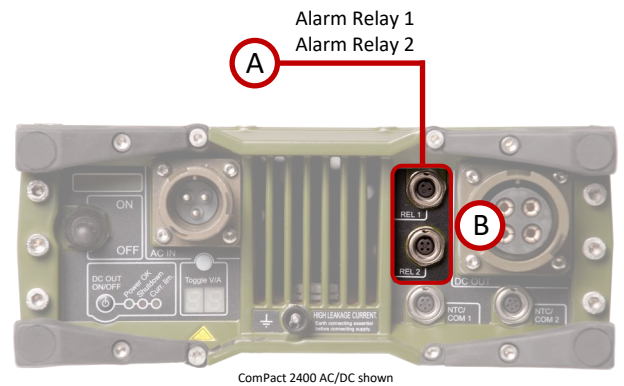
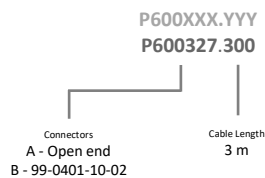
Signal cables are used to monitor and control ComCompact series power supplies. Cables are available for alarm, temperature sensing and communication. Cable lengths are available to suite the customer requirement. See tables below for specific cables and standard cable/connector combinations.

Part Number Configuration - P600XXX.YYY

XXX = cable/connector configuration (see table for options)

YYY = cable length in cm (300 = 3m). For lengths longer than 10 meters use two digits followed by meters unit m, i.e. a 25 meter cable will have suffix 25m

Example (Alarm Relay Cable)



Cable Compatibility - ComCompact Series

| Part Number | Cable Name | Pins (B) | ComCompact AC/DC family (including Dual Input) | ComCompact 2000 DC/AC Inverter |
|-------------|--------------------------|-----------------|--|--------------------------------|
| P600327.XXX | Alarm Relay Cable, 2-pin | 2 | ✓ | |
| P600328.XXX | Alarm Relay Cable, 4-pin | 4 | ✓ | ✓ |
| P600334.XXX | NTC Cable Ø8.4mm | 5 | ✓ | |
| P600324.XXX | NTC Cable Ø7.0mm | 5 | ✓ | |
| P600323.XXX | Parallel Cable STS | 5 | ✓ | ✓ |
| P600332.XXX | Parallel Cable DTS | 5 | ✓ | ✓ |
| P600343.XXX | Communication Cable | 5 | ✓ | ✓ |
| P600333.XXX | Communication Cable | 5 | ✓ | ✓ |
| P600701.XXX | Control Input Cable | 3 | | ✓ |

Cable Specification (all cables)

Cable
Ø4.7mm or Ø5.1mm (see specific cable table on page 2) , UL/CSA approved, Flame retardant according to IEC 60 332-1-2 and vW-1 according to UL-1581, Shielded, Gray, -40 to +80°C

Assembly Information
ROHS, Halogen free

Alarm Relay Cable

Connects the programmable alarm relay outputs to external equipment.

| Alarm Cable, 2-Pin | | |
|--------------------|------------|---------------------|
| Function | Binder Pin | Open end wire color |
| Alarm relay 1 | 1 | White |
| Alarm relay 1 | 2 | Brown |
| | N/C | Green |

| Alarm Cable, 4-Pin | | |
|--------------------|------------|---------------------|
| Function | Binder Pin | Open end wire color |
| Alarm relay 2 | 1 | White |
| Alarm relay 2 | 2 | Yellow |
| Alarm relay 3 | 3 | Brown |
| Alarm relay 3 | 4 | Green |

| | Alarm Relay Cable, 2-Pin | Alarm Relay Cable, 4-Pin |
|------------|--|--------------------------------------|
| | Part Number P600327.YYY | Part Number P600328.YYY |
| | Standard Length P600327.400 - 4m | Standard Lengths P600328.400 - 4m |
| (A) | Connector Open end (no connector) | Connector Open end (no connector) |
| (B) | Connector 99-0401-10-02 Binder | Connector 99-0409-10-04 Binder |
| | Cable Ø5.1mm, minimum bending radius 38mm | |



* Open ended cables can be cut to the required length by the customer

Temperature Sensing (NTC) Cable

External temperature sensor, typically for sensing battery temperature. Cables with Ø7.0 mm sensor hole are suitable for mounting onto a Ø6 mm or 1/4" bolt. Cables with Ø8.4 mm sensor hole are suitable for mounting with Ø8 mm or 5/16" bolt.

| | NTC Cable, Ø7.0 mm | NTC Cable, Ø8.4 mm |
|------------|--|---|
| | Part Number P600324.YYY | Part Number P600334.YYY |
| | Standard Lengths P600324.300 - 3m P600324.400 - 4m | Standard Lengths P600334.300 - 3m |
| (A) | Connector Ring tongue terminal for 6 mm and 1/4" bolt | Connector Ring tongue terminal for 8 mm and 5/16" bolt |
| (B) | Connector 99-0413-10-05 Binder | Connector 99-0413-10-05 Binder |
| | Cable Ø4.7mm, minimum bending radius 35mm | |



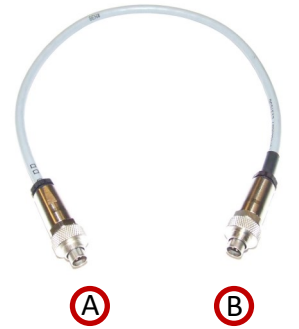
Parallel Cable

Connects together two units in the ComCompact family for active current sharing and/or external RS-485 communication.

STS cable: The cable shield is terminated in one end only. For systems with multiple ComCompacts, where the ComCompacts housings do not have a firm electrical connection, the STS cable is highly recommended. This will prevent large currents flowing in the cable shield.

DTS cable: The cable shield is terminated in both ends. This may result in improved EMC performance.

| | Parallel Cable STS | Parallel Cable DTS |
|------------|--|---------------------------------------|
| | Part Number P600323.YYY | Part Number P600332.YYY |
| | Standard Length P600323.030 - 0.3m | Standard Length P600332.030 - 0.3m |
| (A) | Connector 99-0413-10-05 Binder | Connector 99-0413-10-05 Binder |
| (B) | Connector 99-0413-10-05 Binder | Connector 99-0413-10-05 Binder |
| | Cable Ø4.7mm, minimum bending radius 35mm | |



Communication Cable

Connects ComCompact RS-485 communication bus to external equipment. To communicate with several ComCompacts simultaneously, use one Communication cable, and connect ComCompact units together using parallel cable(s). The D-sub version is suitable for connecting to a Moxa UPort 1150I RS-485 adapter.

| Function | Binder Pin | Open end wire color | D-sub Pin |
|------------------------------|------------|---------------------|-----------|
| RS-485 Data+ / Non-inverting | 3 | White | 3 |
| RS-485 Data- / Inverting | 4 | Brown | 4 |
| Signal ground | 5 | Green | 5 |

| | Communication Cable Open End | Communication Cable D-sub |
|------------|--|--|
| | Part Number P600343.YYY | Part Number P600333.YYY |
| | Standard Length P600343.400 - 4m | Standard Length P600333.150 - 1.5m |
| (A) | Connector Open end (no connector) | Connector 9-pin D-sub with 120 Ω termination resistor |
| (B) | Connector 99-0413-10-05 Binder | Connector 99-0413-10-05 Binder |
| | Cable Ø5.1mm, minimum bending radius 38mm | |



Open end shown

* Open ended cables can be cut to the required length by the customer

Control Input Cable

Connects the programmable control input to external equipment.

Wire insulation colors: TBD

| Function | Binder Pin | Open end wire color |
|---------------|------------|---------------------|
| 5V Input | 1 | White |
| 28V Input | 2 | Brown |
| Signal ground | 3 | Green |

| | Control Input Cable |
|------------|--|
| | Part Number P600701.YYY |
| | Standard Length P600701.400 - 4m |
| (A) | Connector Open end (no connector) |
| (B) | Connector 99-0405-10-03 Binder |
| | Cable Ø4.7mm, minimum bending radius 35mm |



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