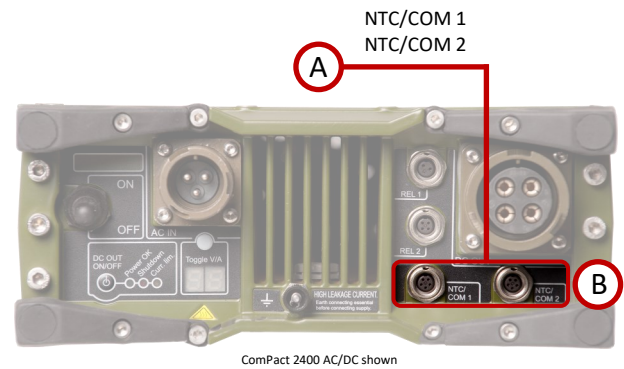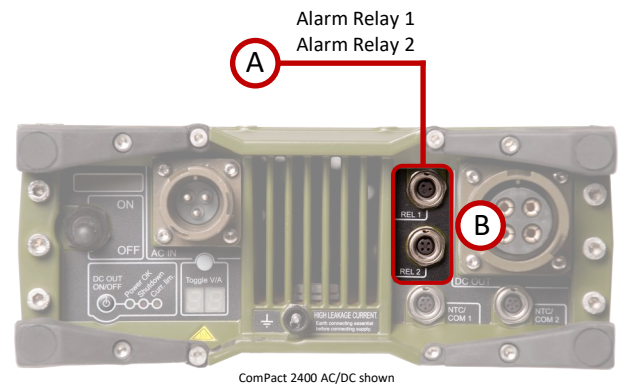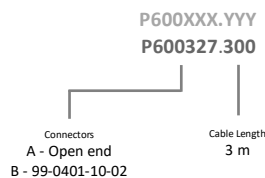## Description

Signal cables are used to monitor and control ComPact 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.

Alarm Relay 1
Alarm Relay 2

ComPact 2400 AC/DC shown

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)

P600XXX.YYY
P600327.300

Connectors
A - Open end
B - 99-0401-10-02

Cable Length
3 m

NTC/COM 1
NTC/COM 2

ComPact 2400 AC/DC shown

Cable Compatibility - ComPact Series

Part Number	Cable Name	Pins B	ComPact AC/DC family (including Dual Input)	ComPact 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

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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.

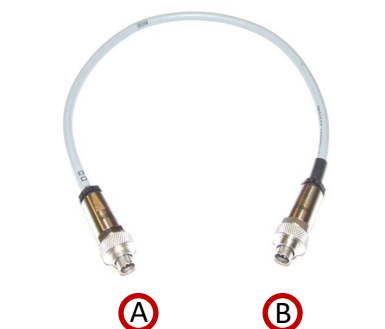|	NTC Cable, Ø7.0 mm	NTC Cable, Ø8.4 mm
	Part Number P600324.YYY	Part Number P600334.YYY
	Standard Lengths P600324.300 - 3m P600324.400 - 4m	Standard Lengths P600334.300 - 3m
A	Connector Ring tongue terminal for 6 mm and 1/4" bolt	Connector Ring tongue terminal for 8 mm and 5/16" bolt
B	Connector 99-0413-10-05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

Parallel Cable

Connects together two units in the ComPact family for active current sharing and/or external RS-485 communication. The choice of signal cable is determined by the quality of earth bonding between ComPact housings.

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

Poor or no earth bonding: STS cable: The cable shield is terminated on one end only. This will prevent large currents flowing in the cable shield.

Please contact Comrod if further details are required.

	Parallel Cable STS	Parallel Cable DTS
	Part Number P600323.YYY	Part Number P600332.YYY
	Standard Length P600323.035 - 0.35m	Standard Length P600332.035 - 0.35m
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 ComPact RS-485 communication bus to external equipment. To communicate with several ComPacts simultaneously, use one Communication cable, and connect ComPact 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

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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

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