



Technical Bulletins

Quick Connect Cable Specifications

Cable Type	Description/Specification
<p>C4 (2 Meter Snap Tight)</p> <p>C4X (5 Meter Snap Tight)</p>	<p><u>Straight Bmm snap style connector (non-shielded)</u></p> <p>Connection: Snap Tight connector</p> <p>Contact carrier material: PA 6-GV (Nylon)</p> <p>Molded connector head: Polyurethane (PUR)</p> <p>Contact Material: gold plated brass</p> <p>Current Rating: 4.0 A</p> <p>Voltage Rating: 125 V @ 4A</p> <p>Jacket Material: Polyvinyl Chloride (PVC)</p> <p>Conductors: 3 x 24 AWG</p> <p>Temperature Range: - 40° F to 200° F (-40° C to 90° C)</p> <p>Protection Class: NEMA 1, 3, 4, 6, 13 and IEC IP67</p> <p>Insulation Resistance: >=10' D.</p> <p>Where Used: Standard cables for most quick connect switch applications. Switch Models using the C4 standard series include the MRS series (.0871.027) and Hall Effect switches (HKQ, HCQ, HSKQ, HSCQ)</p>
<p>C4-S (2 Meter Threaded Coupling Nut, Shielded)</p> <p>C4X-S (5 Meter Threaded Coupling Nut Shielded)</p>	<p><u>Straight Bmm threaded style connector (shielded- foil shield and drain, drain not connected)</u></p> <p>Connection: Threaded connector</p> <p>Contact carrier material : PA 6-GV (Nylon)</p> <p>Coupling Nut: Polyurethane (PUR)</p> <p>Contact Material: nickel plated brass</p> <p>Current Rating: 4.0 A</p> <p>Voltage Rating: 125 V @ 4A</p>

	<p>Jacket Material: Polyurethane (PUR)</p> <p>Conductors: 3 x 24 AWG</p> <p>Temperature Range: - 40· F to 200· F (-40· C to 90· C)</p> <p>Protection Class: NEMA 1,3, 4,6, 13 and IEC IP67</p> <p>Insulation Resistance: >= 10⁹ Ω</p> <p>Where Used: Used as mating cables on the position feedback products (i.e. PFC, PTF). Shielded cable is required for analog signals that are susceptible for RF noise.</p>
<p>C5 or C5-S</p> <p>(2 Meter right angle threaded coupling nut, shielded)</p>	<p><u>Right Angle 8mm threaded style connector (shielded-foil shield and drain, drain not connected)</u></p> <p>Connection: Threaded connector</p>

Notes:

- All quick connect products use a universal male connector that can use either a threaded or snap **connector**.
- All accessory cables can be ordered separately. (i.e. , for MRS or Hall Effect quick connect switch applications where customers prefer a threaded coupling between the switch and the cable, or require shielded cable.)

Wire Color Codes:

Switch Wire Codes

All switch wiring conforms to the CENELEC EN 50 044 wiring standard, which designates the following:

Blue – (-) Negative

Brown – (+) Positive

Black – Signal Output (to load)

Important Note: 2 wire switches only use the Blue and Brown wires. Do not connect the Blue and Brown wires across the power supply, as the switch will short out. For Sinking Circuits, connect the Blue wire to ground (negative), and the Brown wire to the PLC Sinking Input. For Sourcing Circuits, connect the Brown wire to (+) Positive, and the Blue wire to the PLC Sourcing Input.

Position Feedback Products Wire Codes

Position Feedback Products do *not* conform to the CENELEC standard. The Position Feedback products use the following wire color code:

Blue – (+) Positive

Brown – Signal Output

Black – (-) Negative