

Tagging Conventions for I&C Wire, Cable, and Conduit

Wire Tagging Conventions

Tagging conventions currently in use at a particular facility can be used during system modifications except in the cases described in the paragraphs below, and with concurrence from the project engineer. For wires associated with an individual instrument, the instrument tag and the terminal must be used as the wire tag number as shown below.

<u>Instrument / Equipment No.</u>	<u>Wire Tag No.</u>
PT 101	PT101+, PT101-
EM 201	EM201-3, EM201-5

If wires are associated with power from a specific circuit breaker, they may have wire tags to identify the circuit breaker and conductor as shown below.

<u>Circuit Breaker No.</u>	<u>Wire Tag No.</u>
AC Ckt #1	H1 (Hot)
AC Ckt #1	N1 (Neutral)
AC Ckt #1	G1 (Ground)
or	
AC Ckt #1	X1 (Hot)
AC Ckt #1	O1 (Neutral)
AC Ckt #1	G1 (Ground)

For wires within an enclosure, include a reference to the connection location for the opposite end of the wire on the tag at each end of the wire as shown below.

<u>Relay R1</u>	<u>Terminal Block TB, Terminal 5</u>
EE1/TB5	EE1/R1

Cable Tagging Conventions

Tagging conventions currently in use at a particular facility can be used during system modifications and with concurrence from the project engineer.

If the current system cannot be used, use cable tags that indicate the location from which the cable is leaving (from a field device toward the control room, etc.) as shown below.

(a) Single Pair Cables

<u>Junction Box</u>	<u>Cable Tag No.</u>
KTB-7	PT-101

(b) Multi-Pair Cables

<u>Junction Box</u>	<u>Cable Tag No.</u>
KTB-7	KTB7-1
KTB-7	KTB7-2

Conduit Tagging Conventions

Tagging conventions currently in use at a particular facility can be used during system modifications and with concurrence from the project engineer.

In general, the conduit tagging must include a unique designator followed by a sequential number indicated by XXX in the examples below.

<u>Conduit Use</u>	<u>Conduit Tag No.</u>
Power Conductors	P: PXXX
Instrument and Control Conductors	K: KXXX
Power for Lighting	L: LXXX