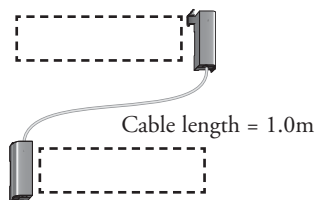# Expansion I/O Configurations
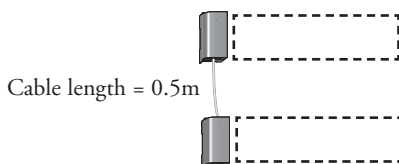
Expansion cables

T1K-10CBL
T1K-10CBL-1*
Right side to left side expansion cable

The T1K-10CBL(-1) connects the right side of an I/O base to the left side of the next I/O base. A maximum of two T1K-10CBL(-1) cables can be used per expansion system.
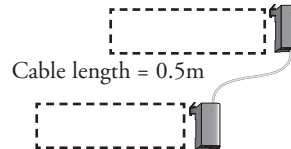

Cable length = 1.0m

T1K-05CBL-LL
T1K-05CBL-LL-1*
Left side to left side expansion cable

The T1K-05CBL-LL(-1) connects the left side of an I/O base to the left side of the next I/O base. Only one T1K-05CBL-LL(-1) cable can be used per expansion system and must be used with a T1K-05CBL-RR(-1) cable. This cable cannot be connected to the left side of the network interface base.

Cable length = 0.5m

T1K-05CBL-RR
T1K-05CBL-RR-1*
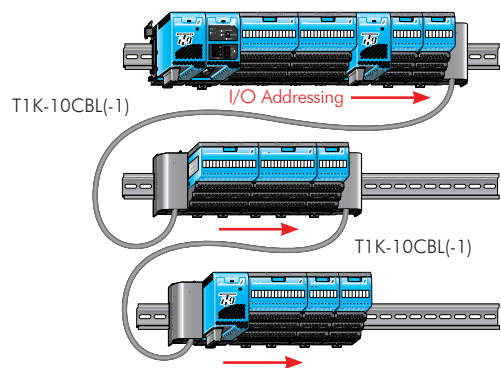### Right side to right side expansion cable

The T1K-05CBL-RR(-1) connects the right side of an I/O base to the right side of the next I/O base. A maximum of one T1K-05CBL-RR(-1) cable can be used per expansion system. Note: When this cable is used, the expansion I/O assignments are from right to left (reversed).

Cable length = 0.5m

*Note: The (-1) versions of the expansion cables pass 24 VDC through on an isolated wire. (All cables pass the 5 VDC base power.) Any local expansion DC input module configured for "internal power" (current sourcing) must either have a power supply preceding it on the same base or, have a (-1) version cable pass 24 VDC from a power supply on the preceeding base.
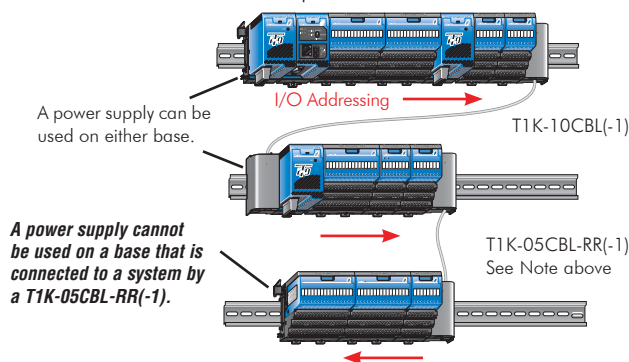
Using two T1K-10CBL expansion cables

In the system below, power supplies can be used anywhere.

T1K-10CBL(-1)

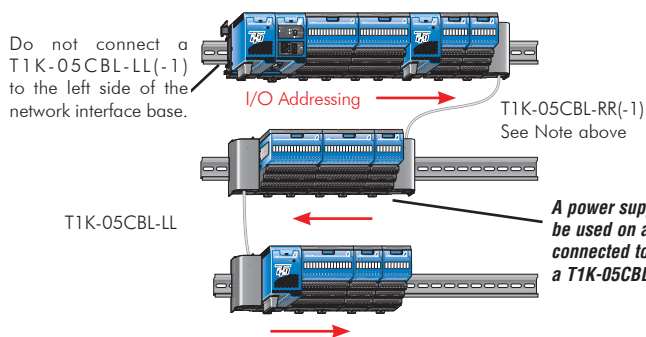I/O Addressing

T1K-10CBL(-1)

Using T1K-10CBL expansion cable and T1K-05CBL-RR expansion cable

Power supplies can be used anywhere in the first two bases, but not in the last expansion base.

A power supply can be used on either base.

I/O Addressing

T1K-10CBL(-1)

A power supply cannot be used on a base that is connected to a system by a T1K-05CBL-RR(-1).

T1K-05CBL-RR(-1)
See Note above

Using T1K-05CBL-RR expansion cable and T1K-05CBL-LL expansion cable

Power supplies can be used anywhere in the first and third bases, but not in the second base.

Do not connect a T1K-05CBL-LL(-1) to the left side of the network interface base.

I/O Addressing

T1K-05CBL-RR(-1)
See Note above

T1K-05CBL-LL

A power supply cannot be used on a base that is connected to a system by a T1K-05CBL-RR(-1).

Using T1K-05CBL-RR expansion cable

Power supplies can be used anywhere in the first base, but not in the second base.

I/O Addressing

T1K-05CBL-RR(-1)
See Note above

A power supply cannot be used on a base that is connected to a system by a T1K-05CBL-RR(-1).