Cables

Three types of cables can be used with the Tricon:

- Interface Cables
- Fanned-Out Cables
- Special Cables (Relay Loopback)

Interface Cables

Interface cables are packaged with all termination panels. Each interface cable has a female connector on one end for connection to the male connector on a Tricon chassis backplane. The opposite end has a keyed male connector for connection to a termination panel.

Although the standard length of all interface cables is 10 feet (3 meters), you may order any length cable up to 90 feet (27.4 meters) in 10-foot increments using the last two digits of the termination panel's model number to specify length in feet. For example, specify 9xxx-x50 if you want a 50-foot (15 meter) cable instead of the standard 10-foot (3-meter) cable.

Fanned-Out Cables

Fanned-out cables are a lower-cost alternative to using external termination panels. Fanned-out cables allow you to marshal field signals in a separate enclosure up to 99 feet (30 meters) from a Tricon. One end of a fanned-out cable has a female connector that connects to a Tricon chassis backplane. The other end of the cable contains 50 fanned-out leads, each individually labeled with its corresponding connector pin number.

Each fanned-out cable has the following characteristics:

- PVC outer covering
- 56-pin connector at one end
- 50 stranded, stripped, tinned and labeled 22-gauge leads at opposite end

Fanned-out cables should only be used with digital input and digital output modules. They are not certified for use with analog signals. Contact the Triconex Customer Support Center if you need a fanned-out cable for handling analog signals.

Although the normal length of all fanned-out cables is 10 feet (3 meters), any length cable can be ordered up to 99 feet (30 meters) in 1-foot increments, using the last two digits of the cable model number to specify the length in feet. For example, the model number 9101-050 specifies a 50-foot cable instead of the normal 10-foot cable.

Special Cables (Relay Loopback)

If your application requires a special cable, it must be ordered separately. For example, if you want to verify relay activation on a relay termination panel using a digital output module, you must order a relay loopback cable to connect between the relay termination panel and a digital input module. Currently, the only special cable available is the relay loopback cable (914x-010).

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Table 221 Part Number Cross-Reference *(continued)*

Model #	ETA	Cable
9761-410	3000510-530	4000103-510
9762-210	3000510-560	4000103-510
9762-410	3000510-580	4000103-510
9763-810	3000580-110	4000103-510
9764-310	3000712-200	4000103-510
9765-210	3000475-520	4000093-510
9765-610	3000580-230	4000103-510
9766-210	3000580-210	4000103-510
9766-510	3000580-220	4000103-510
9771-210	3000656-210	4000103-510
9782-110	3000767-280	4000142-510
9783-110	3000767-160	4000142-510
9784-610	3000767-220	4000164-510
9785-610	3000767-210	4000164-510
9786-110	3000767-230	4000164-510
9787-110	3000767-110	4000164-510
9789-610	3000768-510	4000165-510
9790-610	3000771-560	4000142-510
9791-610	3000771-510	4000164-510
9792-610	3000772-660	4000103-510
9793-110	3000767-115	4000164-510
9794-110	3000767-165	4000142-510
9795-610	3000771-460	4000142-510
9853-610	3000400-530	4000098-510
9860-610	3000770-610	4000157-510
9861-610	3000770-560	4000163-510
9863-710	1600049-010 1600049-100	4000098-510
9871-810	3000818-560	4000163-510

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Table 222 Minimum Bend Radiuses of Cables *(continued)*

Triconex Cable Assembly Number	Minimum Bend Radius of Cable
4000056-00x	3 in (7.62 cm)
4000058-x10	5.6 in (14.224 cm)
4000059-510	6.25 in (15.875 cm)
4000060-510	4.25 in (10.795 cm)
4000061-x10	3.5 in (8.89 cm)
4000062-x10	4.6 in (11.684 cm)
4000063-510	6.25 in (15.875 cm)
4000064-510	5.25 in (13.335 cm)
4000065-510	4.25 in (10.795 cm)
4000066-025	1.75 in (4.445 cm)
4000068-x10	5.6 in (14.224 cm)
4000069-x10	6.25 in (15.875 cm)
4000070-0x0	4.25 in (10.795 cm)
4000071-0x0	3.5 in (8.89 cm)
4000072-x10	4.6 in(11.684 cm)
4000073-x10	6.25 in (15.875 cm)
4000074-0x0	5.25 in (13.335 cm)
4000075-0x0	4.25 in (10.795 cm)
4000076-510	5 in (12.7 cm)
4000076-510	6.25 in (15.875 cm)
4000078-x10	5.6 in (14.224 cm)
4000079-510	6.25 in (15.875 cm)
4000085-x10	4.6 in (11.684 cm)
4000086-510	5.25 in (13.335 cm)
4000089-025	1.75 in (4.445 cm)
4000090-025	2.125 in (5.3975 cm)
4000091-0xx	2.125 in (5.3975 cm)
4000092-x10	5.6 in (14.224 cm)
4000093-x10	5.6 in (14.224 cm)
4000094-x10	5.6 in (14.224 cm)
4000096-x01	3.5 in (8.89 cm)
4000098-510	6.25 in (15.875 cm)

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PRODUCT: 4000098-510 / 10-FOOT TRICON ANALOG-OUTPUT TERMINATION INTERFACE CABLE ASSEMBLY

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