

4000103-510

Analog/Pulse I/O Cable Assembly

Triconex 4000103-510 is an I/O cable assembly for listed pulse and analog termination panels. It carries field-interface signals between the external panel and Tricon backplane.

PRODUCT SNAPSHOT

BRAND

Triconex

FAMILY

Tricon external termination cabling

PART

4000103-510

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PRODUCT OVERVIEW

Triconex 4000103-510 is an I/O cable assembly for listed pulse and analog termination panels. It carries field-interface signals between the external panel and Tricon backplane.

- 1

Connects listed analog or pulse termination panels to the Tricon I/O backplane
- 2

Carries the complete panel channel set through the keyed cable interface
- 3

Maintains a documented bend-radius requirement through cabinet routing
- 4

Provides the cable identity used in the official panel-to-assembly cross-reference

SYSTEM COMPONENTS

9753-110 pulse panel

9761/9762 current-input panels

9763/9764/9765/9766 analog-input panels

9771-210 user-configurable current-input panel

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Triconex 3504E	High-Density Digital Input Module	Open product page
Triconex 3008	Main Processor Module	Open product page
Triconex 4210	Remote Extender Module Set	Open product page
Triconex 4119A	Enhanced Intelligent Communication Module	Open product page

TECHNICAL DATA

PARAMETER	VALUE
Cable assembly number	4000103-510
Minimum bend radius	6.25 in (15.875 cm)
Pulse panel	9753-110
Current-input panels	9761-210; 9761-410; 9762-210; 9762-410

PARAMETER	VALUE
Analog-input panels	9763-810; 9764-310; 9765-610; 9766-210; 9766-510
User-configurable panel	9771-210
Additional panel	9792-610

SYSTEM CONNECTION AND ACCEPTANCE RECORD

RECORD ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	9753-110 pulse panel
Companion hardware	9761/9762 current-input panels
Field connection	9763/9764/9765/9766 analog-input panels
Primary system function	Connects listed analog or pulse termination panels to the Tricon I/O backplane
Controlled acceptance duty	Pulse-panel backplane connection

TECHNICAL NOTE

Match both cable ends to the approved panel and module, maintain at least the documented bend radius, and perform continuity plus channel-identity checks before reconnecting live field circuits.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Pulse-panel backplane connection

Connects listed analog or pulse termination panels to the Tricon I/O backplane

Analog current-input termination cabling

Carries the complete panel channel set through the keyed cable interface

User-configurable transmitter-panel integration

Maintains a documented bend-radius requirement through cabinet routing

Cabinet cable replacement with bend control

Provides the cable identity used in the official panel-to-assembly cross-reference

PRODUCT PRECAUTIONS

- 1 Verify the complete 4000103-510 cable label at both cabinet ends.
- 2 Place all connected analog or pulse channels in the approved maintenance state.
- 3 Isolate field and chassis energy before releasing either connector.
- 4 Record panel model, module slot, connector orientation, and channel range.
- 5 Maintain a bend radius of at least 6.25 inches throughout the final route.
- 6 Do not pair the cable with a panel absent from the official cross-reference.
- 7 Check pin continuity, connector retention, shielding, and channel identity after routing.
- 8 Prove representative signal values at the controller before returning the cable to service.

ENGINEER FAQ

Q1 Which diagnostics should be reviewed after installing 4000103-510?

Review the applicable point, module, power, communication, or load indicators for 4000103-510, then confirm the intended role: connects listed analog or pulse termination panels to the tricon i/o backplane.

Q3 What evidence should be retained after analog versus pulse panel matching testing on 4000103-510?

Retain the full 4000103-510 identity, as-left connections or settings, final diagnostics, measured functional-test result, and authorization to return the affected process function to service.

Q5 How should an engineer verify official panel cross-reference for 4000103-510?

Use the approved connection drawing and the model-specific values in Field Terminations Guide for Tricon v9-v10 Systems; preserve the as-found terminal, connector, polarity, shield, and channel identity.

Q7 Which installation error is most important to prevent on 4000103-510?

Do not interchange 4000103-510 with an adjacent execution or alter its matched 9753-110 pulse panel; the exact electrical, channel, and connector arrangement must be retained.

Q2 Can 4000103-510 be substituted for a similar Triconex model without a configuration review?

No. Confirm the exact model, companion hardware, signal execution, system version, and approved configuration before any substitution.

Q4 Which installed hardware must be matched before fitting 4000103-510?

Match 4000103-510 to 9753-110 pulse panel and 9761/9762 current-input panels, then confirm the complete physical marking and assigned Tricon external termination cabling position.

Q6 What check is required for 6.25-inch bend radius when commissioning 4000103-510?

Apply a controlled signal or command within the documented range and compare the field result, controller indication, and product diagnostics before normal operation.

Q8 How is end-to-end channel identity handled during a 4000103-510 replacement?

Record the installed state first, isolate the associated process function, reproduce only the approved model-specific arrangement, and verify it before energization.