

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Triconex
System family	Tricon external termination cabling
Part number	4000103-510
Country	USA
HS code	8537101190

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Technical Specifications

Technical values below are limited to the named Triconex product record.

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

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED 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

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System Role and Architecture

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.

FUNCTION 1

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

FUNCTION 2

Carries the complete panel channel set through the keyed cable interface

FUNCTION 3

Maintains a documented bend-radius requirement through cabinet routing

FUNCTION 4

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

Matched 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

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
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

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Applications and Engineering Context

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

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	4000103-510 / 4000103-510 recorded
Physical interface	9753-110 pulse panel
Companion check	9761/9762 current-input panels
Functional proof	Connects listed analog or pulse termination panels to the Tricon I/O backplane
Application test	Pulse-panel backplane connection

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Engineering 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.

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

MANUFACTURER SOURCE RECORD

Field Terminations Guide for Tricon v9-v10 Systems

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