

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ICS Triplex TC-312-02

TC-312-02 Evidence-Bounded Product Information Manual

Rockwell Automation Trusted low-smoke zero-halogen system cable

DOCUMENT SCOPE

Independent Apter Power manual compiled only from the cited Rockwell Automation manufacturer sources. No product photograph is included.

Product / lookup identity	ICS Triplex TC-312-02
Reference number	TC-312-02
Document basis	Published Rockwell Automation product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/ICS-Triplex/tc-312-02>
Apter Power contact

sales13@apterpower.com | +86 180 3023 5313

Workflow and system context

ICS Triplex TC-312-02 is an evidence-bounded Trusted low-smoke zero-halogen system cable. System role: Two-way local expansion cable assembly between a T831I Expander Interface Module and T8310 TMR Expander Processors.

- | | |
|----|--|
| 01 | System Inputs: Two-way local expansion cable assembly between a T831I Expander Interface Module and T8310 TMR Expander Processors. |
| 02 | Processing: Use only with the exact Trusted modules, adapters, FTA/VFTA, slot mode and connector arrangement documented for this cable family. |

Published context and boundaries

- | | |
|----|---|
| 01 | Verify the complete ICS Triplex TC-312-02 physical label and installed-system documentation before use. |
| 02 | Do not interchange cable families because input/output direction, local/remote expansion, number of ways, SmartSlot/Companion Slot, integral power and connector wiring differ. |
| 03 | Origin and HS code remain unpublished unless an exact manufacturer record or the physical package label establishes them. |

Verification and release checks

01	Verify the complete ICS Triplex TC-312-02 label, revision and installed-system documentation before use.
02	Do not interchange cable families because input/output direction, local/remote expansion, number of ways, SmartSlot/Companion Slot, integral power and connector wiring differ.
03	De-energize the equipment and follow the site's approved electrical and process-safety procedure before disturbing hardware or wiring.
04	Back up controller, drive, network and configuration data before replacement, migration or firmware work.
05	Verify every companion module, cable, connector, termination and power source from approved drawings.
06	Do not copy electrical, communication, mechanical or lifecycle values from a related model or successor.

Identity and release controls

Verification Status	Verified Manufacturer Part Number Pattern Exact Assembly
---------------------	--

Official Rockwell Automation sources

Trusted TC-312 Cable Manual	https://literature.rockwellautomation.com/idc/groups/literature/documents/rm/icstt-rm312_-en-p.pdf
Trusted Cable Certificate	https://literature.rockwellautomation.com/idc/groups/literature/documents/ct/icstt-ct013_-en-e.pdf