

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ICS Triplex TC-312-02

Product Reference

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>
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Product role and published parameters

WHAT IT IS, WHAT IT DOES, AND WHERE IT FITS

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. System context: Rockwell Automation Trusted low-smoke zero-halogen system cable.

Published field	Manufacturer-published value or verified identity note
Requested part number	TC-312-02
Cable family	TC-312
Insulation code	02 = LSZH, flame retardant to IEC 60332-3 Cat A
Number of ways	2
Connector class	96-way type C, double-width hood
Origin / HS code / shipment weight	Not published for the exact requested cable
Verification Status	Verified Manufacturer Part Number Pattern Exact Assembly

System function and signal path

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.

Applications, answers, and official sources

1 Installed-base maintenance: Supports evidence-led identification and replacement planning for ICS Triplex TC-312-02.

2 System documentation: Provides a source-traceable boundary for the documented Trusted TC-312 cable architecture configuration.

3 Commissioning review: Guides identity, companion-hardware, wiring and controlled functional checks before return to service.

4 Migration assessment: Separates exact-model facts from successor, sibling and family-level information.

Frequently asked questions

What is ICS Triplex TC-312-02?	It is an evidence-bounded Trusted low-smoke zero-halogen system cable; this page is limited to the cited manufacturer evidence.
Is the exact identity verified?	Verified Manufacturer Part Number Pattern Exact Assembly.
What is its system role?	Two-way local expansion cable assembly between a T8311 Expander Interface Module and T8310 TMR Expander Processors.
Which installed-base context is documented?	Trusted TC-312 cable architecture.
Are related models automatic substitutes?	No. A sibling, repair code, suffix or engineering replacement is not an unconditional drop-in approval.
Must the physical label be checked?	Yes. Verify the model, revision, firmware and all order or configuration suffixes.

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