

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ICS Triplex TC-505-02-8M5

Product Reference

Rockwell Automation Trusted low-smoke zero-halogen I/O 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-505-02-8M5
Reference number	TC-505-02-8M5
Document basis	Published Rockwell Automation product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/ICS-Triplex/tc-505-02-8m5>
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Product role and published parameters

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

ICS Triplex TC-505-02-8M5 is an evidence-bounded Trusted low-smoke zero-halogen I/O cable. System role: SmartSlot V2 internal 40-channel output cable to an FTA Only facts stated by the cited Rockwell Automation material are published; sibling, successor and third-party data are not transferred. System context: Rockwell Automation Trusted low-smoke zero-halogen I/O cable.

Published field	Manufacturer-published value or verified identity note
Requested part number	TC-505-02-8M5
Cable family	TC-505
Cable length	8.5 m
Insulation code	02 = LSZH
Documented function	SmartSlot V2 internal 40-channel output cable to an FTA
Maximum recommended I/O cable length	15 m where the family manual states this limit
Verification Status	Verified Manufacturer Part Number Pattern And Requested Length

System function and signal path

01	System Inputs: SmartSlot V2 internal 40-channel output cable to an FTA
02	Processing: Use only with the exact Trusted module, FTA/VFTA, slot mode and connector arrangement shown in the current family manual.

Applications, answers, and official sources

1 Installed-base maintenance: Supports evidence-led identification and replacement planning for ICS Triplex TC-505-02-8M5.

2 System documentation: Provides a source-traceable boundary for the documented Trusted TC-505 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-505-02-8M5?	It is an evidence-bounded Trusted low-smoke zero-halogen I/O cable; this page is limited to the cited manufacturer evidence.
Is the exact identity verified?	Verified Manufacturer Part Number Pattern And Requested Length.
What is its system role?	SmartSlot V2 internal 40-channel output cable to an FTA
Which installed-base context is documented?	Trusted TC-505 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-505 Cable Manual	https://literature.rockwellautomation.com/idc/groups/literature/documents/rm/icstt-rm313_-en-p.pdf
Trusted Cable Certificate	https://literature.rockwellautomation.com/idc/groups/literature/documents/ct/icstt-ct013_-en-e.pdf