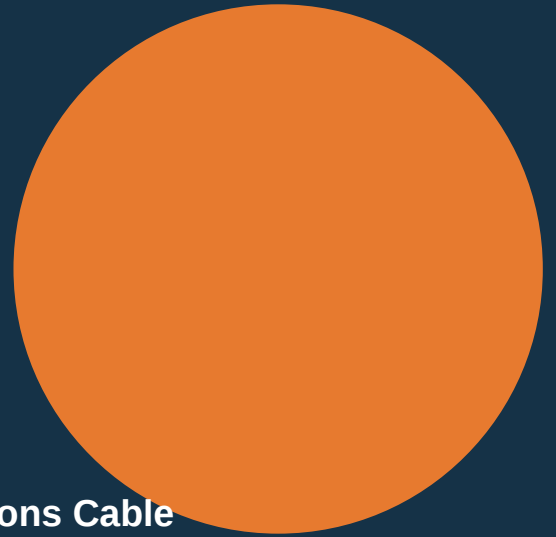




TC-301-02-4M5

Trusted TMR Expander Interface Communications Cable



INSTALLATION AND COMMISSIONING WORKBOOK

1

IDENTIFY

2

ISOLATE

3

INSTALL

4

VERIFY

Preparation gate

Complete these checks before disconnecting the installed product.

1	Confirm the complete TC-301-02-4M5 marking and 4.5 m length.	☐
2	Place the Trusted expander link in the approved maintenance state.	☐
3	Identify the T8310 and T8312 ends before disconnecting either plug.	☐
4	Inspect the 96-way hood, 12-way LEMO plug and all keying features.	☐

PRE-WORK RECORD

Work order		Drawing / revision	
Checked by		Date	

Installation and connection sequence

Align the 96-way type C and 12-way LEMO connectors before insertion and tighten only by the specified connector hardware; never use the cable body to pull a plug into place. Verify the hood earth braid, screened route and exact 4.5 m article marking before restoring the expander link.

05

Protect the earth braid and maintain the screened grounding arrangement.

06

Route the LSZH cable without crushing, abrasion, tension or sharp bends.

07

Seat connectors squarely and secure them using the specified hardware.

08

Restore communications and verify expander diagnostics before release.

Commissioning record

Record the controlled checks used to release this exact product.

1. Identity / article	PASS / FAIL	_____

2. Mechanical installation	PASS / FAIL	_____

3. Power / wiring	PASS / FAIL	_____

4. Grounding / shielding	PASS / FAIL	_____

5. Configuration	PASS / FAIL	_____

6. Signal response	PASS / FAIL	_____

7. Diagnostics / alarms	PASS / FAIL	_____

8. Final release	PASS / FAIL	_____

MODEL-SPECIFIC ACCEPTANCE

Confirm TC-301-02-4M5 identity and length, T8310 and T8312 endpoints, connector keying, 96-way hood, 12-way LEMO plug, earth braid, cable route, grounding, chassis assignments and restored expander communications before commissioning.

Engineering navigation and closeout

Eight different validated product pages for related system planning.

VALIDATED RELATED ENGINEERING PAGES	
01	T8151B Apter Power product page
02	T9852 Apter Power product page
03	T9100 Apter Power product page
04	T9193 Apter Power product page
05	MAI32MAD Apter Power product page
06	T8850C Apter Power product page
07	T8850 Apter Power product page
08	T8830 Apter Power product page

Navigation links only - not manufacturer evidence for technical parameters.

MANUFACTURER SOURCE

Trusted Communications Cables | ICSTT-RM312N-EN-P (PD-TC300) Issue 17

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