

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex TC-301-02-4M5

Trusted Local Expansion Cable



CABLE LENGTH	CONSTRUCTION	SHEATH	PLATFORM
4.5 meters	Screened Cat 6 Plus	LSZH	Trusted

TC-301-02-4M5 is the 4.5-meter local expansion cable connecting a Trusted TMR Expander Processor to the appropriate position on an Expander Interface Adapter. The assembly uses a screened Cat 6 Plus cable with a low-smoke, zero-halogen sheath.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	TC-301-02-4M5
Nominal cable length	4.5 m; 4M5 order-code suffix
Documented endpoints	T8312 Expander Interface Adapter to T8310 TMR Expander Processor
Processor-end connector	96-way type C; double-width hood
Adapter-end connector	12-way LEMO plug
Cable construction	Cat 6 Plus, screened

02 TECHNICAL DATA

Sheath material	Low smoke zero halogen; -02 variant
Earth connection	Braid on the processor-end connector hood
Documented maximum length	30 m for the TC-301 cable family
Minimum bend radius	4 times the cable diameter
Straight entry at connector	At least 100 mm before any bend
Catalog electrical limit	60 V / 2 A maximum per channel
Flame-retardant reference	IEC 60332-3 Category A for -02 cables

03 APPLICATION AND CONFIGURATION

- Power Generation: Electricity Generation at Gas Fired and Combined Cycle Facilities.
- Oil & Gas: Petroleum Extraction, Gas Treatment and Hydrocarbon Processing Facilities.
- Chemical Processing: Bulk Chemical Manufacturing and Specialty Product Production Areas.

04 OFFICIAL DOCUMENTATION

ICSTT-RM312N-EN-P | Trusted Communications Cables | Issue 17, May 2019

Communications manual PDF p. 13: cable routing; p. 15: Figure 1 and TC-301 construction; pp. 2-3: suffix convention. Product Information PDF p. 5: electrical limit.

ICSTT-PC002G | Trusted Product Information | December 2025

Independent Amikon reference, not an OEM manual. Use the complete manufacturer instructions matching the actual hardware and firmware. No manufacturer pages are reproduced.

AMIKON PRODUCT SUPPORT

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