

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex TC-505-02-2M0

Internal Output SmartSlot Cable

CABLE LENGTH	I/O CLASS	POWER BRANCHES	INSULATION
2.0 meters	40-channel output	Supply and return	LSZH

TC-505-02-2M0 is the 2.0-meter LSZH internal SmartSlot cable for documented Trusted digital or analogue output modules. It connects the module to a compatible internal field termination assembly and provides separate cable branches for field power and field-power return.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	TC-505-02-2M0
Nominal cable length	2.0 m; 2M0 suffix
Cable arrangement	Internal SmartSlot V2; 40-channel output to FTA
Documented output class	Digital or analogue output; match exact module and FTA
Chassis-end connector	96-way type C; single-width TC-500 hood
FTA-end connector	96-way type R; single-width hood
Power-return connector	5-way Weidmuller BLZF 3.5; to T8290
Field-power connector	6-way AMP plug; from T8290 or T8297

02 TECHNICAL DATA

Module voltage reference	Chassis-end reference must connect to field 0 V
Cable insulation	Low smoke zero halogen; -02 variant
Protective covering	Nylon Rilgain sleeving
Safety-earth connections	Sheathed braid at both main connector hoods
Screen-earth connection	Screen drain to green wire at remote end
Recommended I/O cable length	15 m maximum recommended; longer routes require assessment
Flame-retardant reference	IEC 60332-3 Category A for -02 cable

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-RM313Q-EN-P | Trusted TMR I/O SmartSlot Cables | Issue 19

RM313Q PDF p. 1: suffix and routing; pp. 23-24: Figure 5, output connections and earthing; pp. 5-6: safety warnings.

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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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