UNITRONIC® BUS CAN TRAY

For CAN bus systems; stationary tray applications; 120 Ω

UNITRONIC® BUS CAN TRAY is designed to the CAN open and ISO 11898 standard. It is well-suited for high-speed motion control and feedback loop applications, providing both high reliability and efficient use of network bandwidth.

Construction

Conductors: 7-wire strands of bare copper
Inner jacket: PVC; violet
Shielding: tinned copper braid
Jacket: PVC; violet

Recommended applications

Stationary cable tray applications; motion control systems; assembly, welding, and material handling machines; single-cable wiring for multi-input sensor blocks; smart sensors; pneumatic valves; barcode readers; operator interfaces

Application advantage

- Designed for tray applications (PLTC-ER)
- Highly flame retardant
- Oil-resistant jacket
- Maximum bit rate: 1 Mbit/s @ 40 m
- Sunlight resistant

Approvals

c UL us c UL us RoHS

Cable attributes			page 648
OIL	OR-02	FLAME	FR-04
MOTION	FL-02	MECH.	MP-03

Complete the installation


SKINTOP® MS-SC
page 522


EPIC® DATA connectors
page 186

Technical data

Minimum bend radius: 8 x cable diameter

Temperature range:
- for stationary use: -40°C to +80°C
- for flexible use: -10°C to +70°C

Nominal voltage: 250V (not for power applications)

Characteristic impedance: 120 Ω ± 15Ω

Color code: DIN 47100: chart 8, page 682
- pair 1: white & brown
- pair 2: green & yellow

Approvals:
UL: CMG per UL 444
PLTC-ER per UL 13
AWM 21695
Attributes: UL Oil Res I
sunlight resistant
Canada: CSA CMG FT 4

Part number	Conductor description	Nominal outer diameter in	Nominal outer diameter mm	Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
2170857	22 AWG/2pr	0.296	7.5	24	54	53112220

Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available; please see our SKINTOP® section.
If not otherwise specified, all values relating to the product are nominal values.
Photographs are not to scale and are not true representations of the products in question.