

UNITRONIC® BUS Genius™

Genius I/O twinaxial bus cable; continuous flex applications; 100 Ω



UNITRONIC® BUS Genius is designed for use in GE Fanuc's Genius I/O, Field Control™, and VersaMax® networks. Genius network flexibility allows users to deploy the most efficient combination of high-density and low-density distributed I/O for their application.

Construction

Conductors: finely stranded tinned copper

Insulation: TPE

Shielding: foil and flexible tinned copper spiral shield (92% coverage)

Jacket: polyurethane; violet

Recommended applications

Industrial automation and process control field networks; sensors; valves; gauges; barcode readers; drives and operator interfaces.

Application advantage

- Signal integrity in continuous motion applications
- Flame- and oil-resistant jacket
- Flexible for ease of routing

Approvals



Cable attributes		page 648	
OIL	OR-04	FLAME	FR-02
MOTION	CF-01	MECH.	MP-05

Complete the installation	
SKINTOP® MS-SC page 522	EPIC® connectors page 284

Technical data

Minimum bend radius: - for stationary use: 5 x cable diameter - for continuous flexing: 10 x cable diameter	Test voltage: 3000V
Temperature range: - for stationary use: -40°C to +80°C - for flexible use: -20°C to +80°C	Characteristic impedance: 100 Ω
Nominal voltage: 300V	Nominal capacitance: 18 pF/ft
	Color code: white & brown pair
	Approvals: UL: AWM 20233 Attributes: NFPA 79 Additional: RoHS

Part Number	Conductor description	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
		in	mm			
911264	22 AWG/1pr	0.258	6.5	12	40	53112210