

UNITRONIC® BUS BlueFlex™

For Data Highway and Data Highway+ bus systems; continuous flex applications; 78 Ω



UNITRONIC® BUS BlueFlex™ is designed for use in Rockwell Automation® Allen Bradley DH, DH+, and Remote I/O networks. BlueFlex™ is constructed to withstand continuous flex applications where EMC conditions are pervasive.

Recommended applications

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

Approvals



Cable attributes page 648

OIL	OR-01	FLAME	FR-02
MOTION	CF-01	MECH.	MP-01

Construction

Conductors: finely stranded tinned copper

Insulation: electronic-grade flexible TPE

Shielding: overall tape shield; flexible tinned copper braid (85% coverage)

Jacket: PVC; blue

Application advantage

- Signal integrity in continuous motion applications
- Flame- and oil-resistant jacket
- Flexible for ease of routing
- UL AWM USE: external interconnection of electronic equipment

Complete the installation



Technical data

Minimum bend radius: - for stationary use: 5 x cable diameter - for continuous flexing: 12 x cable diameter	Characteristic impedance: 78 Ω
Temperature range: -20°C to +80°C	Nominal capacitance: 17 pF/ft
Nominal voltage: 300V	Color code: blue/natural
Test voltage: 3000V	Approvals: UL: AWM 2661 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			
3649FD	20 AWG/1pr	0.242	6.15	14	33	53112210



800.633.6339 • www.lapptannehill.com

Rockwell Automation® is a registered trademark of Rockwell Automation, Inc. 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.