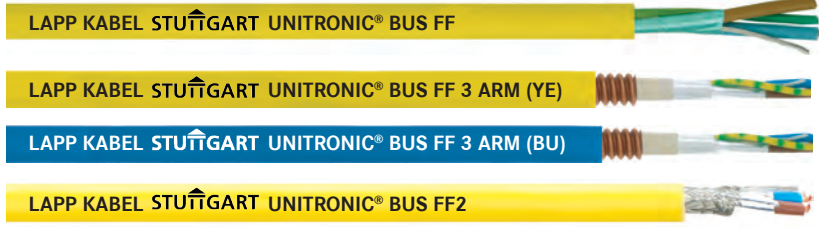


UNITRONIC® BUS Foundation Fieldbus

For Foundation Fieldbus bus systems; stationary applications; 100 Ω



UNITRONIC® BUS Foundation Fieldbus has been specifically designed to meet the demands of the hazardous industrial and process automation. Using a distributed architecture where the control is in the devices themselves, Foundation Fieldbus integrates low-speed sensors and actuators with high-speed controllers and servers in a single system.

Recommended applications

Sensors, actuators and PLCs in intrinsically safe areas like magnetic flow meters, temperature sensors, and pressure sensors.

Cable attributes page 648
See attribute list by part number on page 166

Construction

- Conductors:** stranded bare copper
- Insulation:** pair: XLPE • conductor: PVC
- Shielding:** foil and tinned copper braid • armored cable: longitudinally welded spiral corrugated copper tape
- Jacket:** PVC; yellow or blue

Application advantage

- Can withstand temperatures up to +105°C
- Sunlight resistant
- Cables meet the requirements of ISA ISP50 and the Fieldbus Foundation for cable type A

Approvals



Complete the installation

	SKINTOP® MS-SC page 522		SKINTOP® K-M ATEX plus page 506
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Technical data

Minimum bend radius:	5 x cable diameter	Nominal capacitance:	20 pF/ft
Temperature range:	- three-conductor cable: -25°C to +105°C - two-conductor cable: -40°C to +105°C	Color code:	- three-conductor cable: blue & brown twisted pair, plus green/yellow ground - two-conductor cable: blue & brown twisted pair
Nominal voltage:	300V	Approvals:	UL: PLTC CMG Canada: c(UL) CMG Additional: RoHS
Test voltage:	1500V		
Characteristic impedance:	100 Ω ± 20 Ω		

Part number	Jacket color	Number of conductors	Conductor description	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® K-M ATEX metric thread
				in	mm			
2170352	yellow	2	18 AWG/1pr	0.311	7.9	36	55	54115210
2170350	yellow	3	18 AWG/1pr + 18 AWG/1c	0.311	7.9	41	62	54115210
Armored cable								
2170351	yellow	3	18 AWG/1pr + 18 AWG/1c	0.484	12.3	84	122	54115245
2170353	blue	3	18 AWG/1pr + 18 AWG/1c	0.484	12.3	84	122	54115445

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.