



UNITRONIC® 300

DB 302202

valid from: 24.07.2013

Application

The UNITRONIC® 300 Series of signal and control cables have been carefully engineered to provide the highest performance and ease of installation in industrial signal and control applications. Suitable for instrumentation, low voltage control interconnections, and fixed wiring within buildings.

Technical data

Conductor	Fine Tinned Copper Wire
Core insulation	Special PVC Compound
Core identification	UNITRONIC® 300 Color Code
Stranding	Stranded in layers
Outer sheath	PVC
Sheath color	gray (similar RAL 7001)

Electrical properties at 20°C

Conductor resistance	Lapp USA Catalog Technical Section
Rated voltage	300 V (UL-Rating) (not for power applications)
Test voltage	1500V

Mechanical and thermal properties

Temperature range	occasional flexing: -25°C up to +105°C fixed installation: -40°C up to +105°C
Minimum bending radius	for installation: 4 x cable diameter
Flame retardant	UL Vertical Tray, CSA FT4
Attributes	Sunlight Resistant, Direct Burial (for 18 & 16 AWG), Oil Res I
Approvals	UL: PLTC (Exposed Run for 18 & 16 AWG) ITC CMG AWM 2464 c(UL): CMG FT4 CSA: AWM II A/B Meets NEC Art. 725, 727, & 800
File number	E216027
Torsion movement in WTG	TW-0 (5000 cycles at ≥ +5°C) TW-1 (2000 cycles at ≥ -20°C) ± 150 °/m at 1 revolution per minute
Conformity	Meets European CE Low Voltage Directive 2006/95/EC Meets European RoHS Directive 2011/62/EC