UNITRONIC® 300

UDB302402EN
Date: October 30, 2026

1. APPLICATION

UNITRONIC® 300 is a rugged, multi-conductor, low voltage control and signal cable for internal and external wiring of OEM equipment for industrial applications. The jacket is very oil resistant and is pressure extruded for improved flexibility and easier installation.

Applications:
Process control; electrical equipment; industrial machinery; low-voltage control interconnect.

Underwriters Laboratories
28 AWG - 24 AWG: Communications and internal or external wiring of electrical and electronic equipment.
22 AWG - 20 AWG: Power Limited and Instrumentation Tray; Communication and internal or external wiring of electrical and electronic equipment.
18 AWG - 16 AWG: Power Limited (Exposed Run) and Instrumentation Tray; Communication and internal or external wiring of electrical and electronic equipment.

Canadian Standards
For Communications, Appliance Wiring Material and internal or external wiring of electrical and electronic equipment applications.

2. CABLE DESCRIPTION

- Tinned copper fine wire
- Specially Blended PVC insulation
- Color coded conductors
- Gray (RAL 7001) UV, oil and flame resistant Specially Formulated PVC jacket

3. TECHNICAL DATA

Conductor Stranding	28 AWG (0,1 mm²) to 18 AWG (1,0 mm²): 19 - strand 16 AWG (1,32 mm²): Class K	
Design / Make-up	Cable is designed in accordance with the requirements of UL Standards 13, 2250 and 444; and with CSA standards C22.2 No. 214 & No. 210	
Insulation	Specially Blended PVC insulation	
Color Code	28 AWG - 22 AWG: 20 AWG - 16 AWG:	Lapp USA Color Chart 4 Lapp USA Color Chart 5
Outer Sheath	Specially Formulated PVC jacket	
Nominal Voltage	UL / CSA: IEC:	300V Not for power applications
Test Voltage	1500V	
Min Bend radius	For installation:	4 x OD
Temperature Range	For stationary use: For flexible use:	-40°C to +105°C -25°C to +105°C
Cable Attributes	OR-02, FR-03, WT-02, MP-02 Sunlight resistant (22 AWG - 20 AWG), Direct Burial (18 AWG - 16 AWG)	

This data sheet contains the latest product specification information available. Data sheet is subject to change without prior notice.

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Approvals	UL AWM 2464 (Appliance Wiring Material) per UL 758 UL PLTC (Power Limited Tray Cable) –ER* (Exposed Run) per UL 13 (22 AWG - 16 AWG) UL ITC (Instrumentation Tray Cable) per UL 2250 (22 AWG - 16 AWG) UL CMG (Communications Cables) per UL 444 c(UL) CMG per UL 444 & CSA C22.2 No. 214 CSA AWM I/II A/B FT4 per CSA C22.2 No. 210 * For –ER: 18 AWG & 16 AWG and 3 conductors or more
Additional	NEC Article 725 (PLTC), 727 (ITC) and 800 (CMG) NFPA 79 RoHS directive UKCA

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