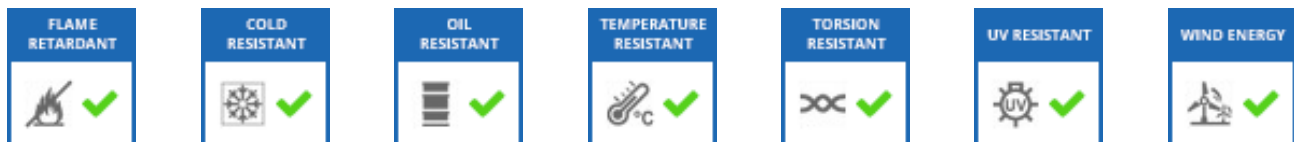


## Control and signal cables with small cross sections - UL/CSA listed

Wide application range due to multiple approvals; Cost-saving, easy installation due to omission of closed raceways (suitable for open wiring)

- Shielded Version: Formerly UNITRONIC® 300 CY, now UNITRONIC® 300 S



## Product description

### Application range

- Control and signal cables for internal and external wiring
- Process control; electrical equipment; industrial machinery; low-voltage control interconnect
- For the North American market
- Thanks to the DIRECT BURIAL approval, direct burial of versions with the nominal conductor cross sections 18 AWG and 16 AWG is normatively permitted in the USA

### Benefits

- Wide application range due to multiple approvals
- Cost-saving, easy installation due to omission of closed raceways (suitable for open wiring)

### Product Make-up

- Fine-wire strand made of tinned-copper wires
- Core insulation made of PVC compound
- UNITRONIC® 300 S: with overall foil tape wrapping, drain wire, tin-plated copper braiding (75 % coverage)
- Outer sheath made of special PVC compound  
Outer sheath colour: dark grey (RAL 7005)

## Norm references / Approvals

- UL: CMG per UL 444; PLTC-ER per UL 13;  
ITC-ER per UL 2250; AWM 2464
- NEC: meets NEC Art. 725 & 800,  
Class 1 Division 2 (PLTC only)
- Canada: c(UL) CMG FT4, CSA AWM I/II A/B FT1
- Oil-resistant according to UL OIL RES I

## Product features

- PLTC for trays (24 AWG has no PLTC approval)
- PLTC-ER & ITC-ER (Exposed run) for AWG18 & AWG16
- UV-resistant UL SUN RES
- Direct Burial for 18 AWG & 16 AWG for normatively permitted, direct burial in the USA
- Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)

## Technical Data

Core identification code	refer to Appendix T9
Classification	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Conductor stranding	Fine wire
Torsion movement in WTG	TW-0 & TW-1, refer to Appendix T0
Minimum bending radius	During installation: 4 x cable diameter Screened: 6 x outer diameter
Nominal voltage	according to UL: 300 V IEC: not for power transmission
Test voltage	1500 V
Temperature range	Occasional flexing: -25°C to +105°C Fixed installation: -40°C to +105°C