



Screened control and signal cables with small cross sections and twisted pairs - UL/CSA listed

Overall braid minimises electrical interference; Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)



Product description

Application range

- Control and signal cables for internal and external wiring
- Process control; electrical equipment; industrial machinery; low-voltage control interconnect
- Wiring of devices, machines and plants intended for export to the North American market or countries where UL-/CSA approved cables are used.
- 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

- Overall braid minimises electrical interference
- Decoupling of circuits by means of

twisted-pair (TP) design (crosstalk effects)

Product Make-up

- Fine-wire strand made of tinned-copper wires
- Core insulation made of PVC
- TP structure
- 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
- UV-resistant UL SUN RES
- Direct Burial for 18 AWG & 16 AWG for normatively permitted, direct burial in the USA

Technical Data

Core identification code	Pair 1: black, red Pair 2: black, white Pair 3: black, green Pair 4: black, blue Pair 5: black, yellow Pair 6: black, brown Exception single-paired: black, white (not for power applications) 300 V UL/CSA: 300 V
Peak operating voltage	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable Occasional flexing: 15 x outer diameter Fixed installation: 6 x outer diameter 1500 V
Classification	Occasional flexing: -25°C to +105°C Fixed installation: -40°C to +105°C
Minimum bending radius	
Test voltage	
Temperature range	