

SL 842 C TPE/PUR feedback cable with overall copper screen
SL 843 C TPE/PUR transmission cable with overall copper screen



Marking for SL 842 C 08420050:
 SAB BROCKSKES · D-VIERSEN · 08420050 9 x 0.5 mm² SL 842 C 20 AWG/9c 08422009
 AWM-Style 20233 80°C CSA AWM I/II A/B 80°C 300V FT1 FT2 CE



Marking for SL 843 C 08431050:
 SAB BROCKSKES · D-VIERSEN · 08431050 SL 843 C 3 x (2 x 0.14 mm² DI) + 4 x 0.22 mm² + 2 x 0.5 mm²
 DESINA AWM-Style 20235 80°C CSA AWM I/II A/B 80°C 300V FT1 CE

Construction:

Conductor:	bare copper strands with reference to VDE 0812
Insulation:	TPE
Colour code:	coloured
Stranding:	SL 842 C: in layers SL 843 C: in layers or pairwise
Screen:	acc. to dimension: pairs with tinned copper wires braided or wrapped
Inner sheath:	TPE over screened pairs
Stranding:	cores/pairs twisted together in layers
Wrapping:	one or two layers non-woven tape
Screen:	tinned copper braiding
Wrapping:	non-woven tape
Sheath material:	PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with mat surface
Sheath colour:	SL 842 C: orange (RAL 2003) SL 843 C: green (RAL 6018)

Outstanding features:

- UL recognized, CSA approval
- good EMC characteristics
- high flexibility
- suitable for cable tracks
- oil resistant
- long service life
- adhesion-free installation
- halogen-free
- leak uncritical (also = enamel moistening interfering substance)
- DESINA® colours (see page C/4)

Technical data:

Peak operating voltage	
SL 842 C:	max. 500 V
SL 843 C:	max. 350 V
Voltage UL/CSA:	300 V
Testing voltage:	core/core 2000 V core/screen 2000 V
Min. bending radius	
fixed laying:	5 x d
flexible application:	10 x d
continuously flexible:	12 x d
Radiation resistance:	5 x 10 ⁷ cJ/kg
Temperature range	DIN VDE UL/CSA: up to +80 °C
fixed laying:	-50/+90 °C
flexible application:	-40/+90 °C
Fire performance	flame retardant and self-extinguishing
SL 842 C:	acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL FT1, CSA FT1, FT2
Fire performance	flame retardant and self-extinguishing
SL 843 C:	acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL/CSA FT1
Oil resistance:	very good - TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Chem. resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.
Weather resistance:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union see chapter N „Technical Data“



suitable for
resolvers and shaft encoders

Nominal cross-section	Sheath colour	largest single wire	ca. outer- \varnothing
mm ²	mm	\varnothing mm	mm
4 x 2 x 0.25	orange	0.11	8.4±0.3