UNITRONIC® ST
Data transmission cable in reference to UL2919

RS 485/RS 422/ RS 322
High Near End Crosstalk Attenuation
Tinned Copper Braiding
Low Capacitance
UL Approved

RoHS ✓

LAPP KABEL UNITRONIC® ST 1x2x24AWG/7 <3800765>

LAPP KABEL UNITRONIC® ST 2x2x24AWG/7 <3800953>

Application

Suitable for wiring of data systems with high transmission rates and specially designed for Data Highway (DH) such RS 485, RS 232, RS 422 interface. Suitable for use as control and instrumentation cables. Flexible and for static laying in damp and dry locations.

Special Feature

Low capacitance. Double screen, with 100% Aluminum foil, and overall tinned copper braiding. Tinned copper drain wire. Excellent shielding against internal and external interference. Highly flexible and mechanical stress function. Suitable for flexible installation.

Note

For deviations to the standard range, e.g. cores, outer sheath, special screening and extended temperature range, please consult our technical adviser.

Cable Make-up

Multi strands wires of tinned copper, polyethylene core insulation, cores twisted in pairs, individual pair screening of aluminum laminated foil with drain wire, screened pairs twisted in layers, plastic foil wrapping, screen braiding of copper wire, outer sheath of special PVC-based compound, flame-retardant in accordance to IEC 60332-1.

Technical Data

Minimum bending radius:
10 x cable diameter (Static)

Impedance: 120 Ohm

Insulation resistance:
>2 GOhm x km

Test Voltage:
1000V

Temperature range:
static: -30° C to +80° C

Core Indent:
See Table Below

Mutual capacitance:
C/C approx. 42 pF/m
C/S approx. 75 pF/m

Working voltage:
30V

Part Number	No. of pairs and AWG/strands	Core Insulation Material	Outer Sheath/Colour	Cores Colour	Approx. Outer Diameter (mm)	Approx. Capacitance (pF/m)	
						C/C	C/S
3800765	1x2x24AWG/7	PE	PVC/Pebble Grey RAL 7032	White/Blue stripe + Blue/White stripe	5.90	42	75
3800953	2x2x24AWG/7	PE	PVC/Chrome Grey RAL 7005	White/Blue stripe + Blue/White stripe White/Orange stripe + Orange/white stripe	8.80	42	75

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