3802000	DATA SHEET	LAPP
Valid from: 03.06.2021	LAPP KABEL ST 21088 Li2Y(ST)CH LSHF	

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Picture not to scale and does not represent the detailed image of the respective product

1. Reference Standard

In acc to UL Style 21088 /Lapp 3800765/Lapp 3800953

2. Application

Data /RS 485 transmission for fixed installation

3. Cable Construction

Conductor cross section, AWG	Conductor stranding	Insulation ∅ . approx	Braiding coverage	Outer Sheath ∅, approx
1x2x24	7/0.20mm	1.65mm	16/8/0.12	5.90mm
2x2x24	7/0.20mm	1.62mm	24/8/0.12	8.80mm

3.1. Conductor : Stranded Tinned Copper wire,
3.2. Insulation : HD Polyethylene
3.3. Cores colour : 1 pair WH/BU,- x BU/WH
2 pairs WH/BU- ,WH/OG-, BU/WH-,OG/WH
3.4. Shielding : AL/MY tape with metallic side downward incontact with drain wire.
3.5. Drain wire : Stranded tinned copper wire, 7/0.20mm
3.6. Braiding : Tinned copper wires
3.7. Outer Sheath : LSHF compound , Pebble Grey (RAL 7032)

4. Technical Data

3.1. Characteristics Impedance : Norminal 120 ±20Ω
3.2. Voltage Rating : 30V Max
3.3. Test Voltage : 1.0KVAC / min
3.4. Capacitance, : 42pF/m (core/core), nominal
76pF/m (core/screen), nominal
3.5. Inductance : 0.65µH/m, nominal
3.6. Velocity of propagation : 66%
3.7. Delay, nominal : *5.3ns/m*
3.8. Attenuation loss, nominal : *1.98dB/100m at 1MHz*
3.9. Min. Bending Radius : 10xOD
3.10. Operating Temperature : -30°C.to +80°C
3.11. Flame Retardant : IEC60332-1-2/VW-1/UL1581
3.12. Halogen free : IEC 60754-1/2
3.13. ROHS Directive : 2011/65/EU

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ref.:

5. Dimensional Data

Part No.	No. of Pairs / conductor size AWG	Core diameter, approx mm	Outer sheath Diameter, approx mm	Max. Conductor Resistance DC @ 20°C Ω/km	Copper Weight kg/km, aprox	Cable weight Kg/km, approx
3802000	1x2x24	1.65	5.90	94.2	21.33	51
3802001	2x2x24	1.62	8.80	94.2	32.95	84.5

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