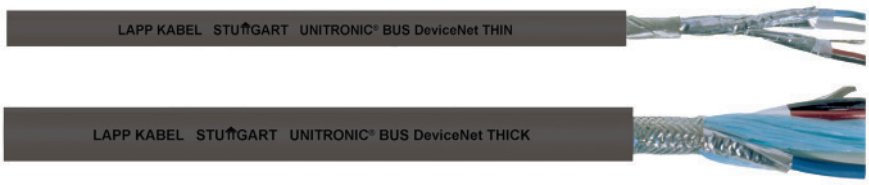
UNITRONIC® BUS DeviceNet THICK + THIN



Info
- DeviceNet

Application range
- Stationary application
- DeviceNet™ connects industrial devices e.g. limit switches, photoelectric switches, valve islands, motor starters, drives, PLCs, etc.
- DeviceNet™ Bus system (Rockwell Automation)

Product features
- Based on proven CAN (Controller Area Network) technology.
- Permissible cable lengths vary with the data rate and the cable thickness
- THICK cable total trunk length
  125 kbit/s = 500 m
  250 kbit/s = 250 m
  500 kbit/s = 100 m
- THIN cable total trunk length
  125 kbit/s = 6 m
  250 kbit/s = 6 m
  500 kbit/s = 6 m

Approvals (Norm references)
RoHS

Product Make-up
- Stranded tinned copper conductor
- PE core insulation
- PVC outer sheath
- Colour: chrome grey, RAL 7005

Technical data
Core identification code
Data pair: light blue + white
Power supply: red + black

Mutual capacitance
(800 Hz): max. 40 nF/km

Peak operating voltage
300 V (not for power applications)

Conductor resistance
Thick (loop): max. 45 ohm/km
Thin (loop): max. 180 ohm/km

Minimum bending radius
Fixed installation:
10 x cable diameter

Test voltage
1000 V

Temperature range
Fixed installation: -20°C to +70°C

Characteristic impedance
at 1 MHz: 120 +/-10 Ohm

Article number	Article designation	Number of pair and AWG per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
3801234	DeviceNet THICK	1x2x18AWG + 1x2x15AWG	12.0	80.9	158.7
3801235	DeviceNet THIN	1x2x24AWG + 1x2x22AWG	7.2	30.5	66.9

Photographs are not to scale and do not represent detailed images of the respective products.

Data communication systems
LAPP GROUP
Coaxial cables
High frequencies

COAXIAL RG SERIES RG 59/U, RG 6/90, RG 11/U

Info
- 75 Ohm

Benefits
- Broadband for low loss attenuation of high frequency signal

Application range
- CATV and data networking
- Optimizing frequency up to 1000 MHz
- Suitable for use in dry and damp areas

Product features
- Double screen, offer good screening against external interference
- UV-resistant
- Flame retardant in acc. to IEC 60332-1-2

Approvals (Norm references)
RoHS TÜV SÜD
- TUV SUD PSB type test for 3801313

Product Make-up
- Bare copper cladded steel solid conductor
- Foam PE insulation
- Aluminium foil bonded, 100% coverage Aluminium wire braiding
- PVC outer sheath, black

Technical data
Mutual capacitance
53.1 pF/m

Minimum bending radius
Fixed installation:
10 x cable diameter

Temperature range
Fixed installation: -30°C to +80°C

Characteristic impedance
75 +/- 3 Ohm

Article number	Article designation	Conductor cross-section	Outer diameter (mm)	Working voltage in V	Min. braiding coverage	Copper index (kg/km)	Weight (kg/km)
3800768	RG 59/U	1x20 AWG	6.0	350	68%	0.3	33
3801313	RG 6/90	1x18 AWG	6.8	350	90%	0.5	43
3800720	RG 11/U	1x14 AWG	10.2	600	60%	1.2	100

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