

A-LiY(StE)YÖ Data transmission cables for petrol stations and refineries with BAM*-test report



Technical data

- Oil- and fuel-resistant data transmission cables
- **Temperature range**
flexing -5°C to +70°C
fixed installation -40°C to +70°C
- **Nominal voltage** 200 V
- **Insulation resistance**
min. 100 MOhm x km
- **Minimum bending radius**
20x cable Ø
- **Radiation resistance**
up to 80x10⁶ cJ/kg (up to 80 Mrad)

Cable structure

- Bare copper-conductor, fine-wire Part.-No. 32597, 32599
- Tinned copper-conductor, single-wire Part.-No. 32633
- Core insulation of special PVC to DIN VDE 0207
- Core identification black cores with continuous white numbering
- Each single core screened with aluminium/polyester foil, metal layer at outside
- Screened cores in layers with optimal lay-length screenings of each core make contact mutually
- Solid copper drain-wire Part.-No. 32633
- Copper drain-wire Part.-No. 32597, 32599
- Common core sheath
- Outer sheath of special PVC
- Sheath colour black

Properties

Tests

- Compound characteristic acc. to DIN VDE 0207
- Oil- and fuel resistance of sheath: acc. to BAM-Specification
- Oil-resistance of sheath: DIN ISO 6722 part 1, 4.11, DIN EN 60811-404
- Fuel-resistance of sheath: DIN ISO 6722 part 1, 4.12
- PVC self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

Note

- **BAM** = Federal Institute for Materials Research and Testing
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

These data transmission cables, oil- and fuel-resistant, are used for internal and external wiring applications at petrol pumps, for data transmission from the pumps to the cash desk and in the installation of video surveillance systems. These cables are also installed directly in the ground and are resistant to UV radiation. Special screens over individual cores guarantee good overall screening and ensure an interference-free transmission of control pulses.

CE = The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
32597	4 x 0,75	9,0	38,0	105,0	18
32633	7 x 0,75	10,3	60,0	150,0	18

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
32599	8 x 0,75	11,0	68,0	169,0	18

Dimensions and specifications may be changed without prior notice. (RQ01)