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 -30 °C to +70 °C
- **Nominal voltage** 200 V
- **Insulation resitance**
  min. 100 MOhm x km
- **Minimum bending radius**
  approx. 12x cable ø
- **Radiation resistance**
  up to 80x10^6 cJ/kg (up to 80 Mrad)

Cable structure

- Tinned copper conductor, 7 strands
- Core insulation of special PVC, according to DIN VDE 0207
- 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-lenght screenings of each core make contact mutually
- Drain wire, tinned copper 0,75 mm²
- 7 strands
- Overall core-filler
- Special PVC-outer sheath, oil- and fuel resistant
- Sheath colour black

Properties

Tests

- Compound characteristic according to DIN VDE 0207
- Oil- and fuel resistance of sheath: according to BAM-Specification
- Oil-resistance of sheath:
  DIN ISO 6722 part 1, 4.11,
  DIN VDE 0472 part 803 test method B
- Fuel-resistance of sheath:
  DIN ISO 6722 part 1, 4.12
- PVC self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

Note

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

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/EG.

Part no.	No.cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. 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. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
32599	8 x 0,75	11,0	68,0	169,0	18
32634	12 x 0,75	12,9	99,0	223,0	18

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