

Petrol Station Cables (N)YYÖ-J 0,6/1 kV, with BAM-test report



Technical data

- Power and data transmission cable based on DIN VDE 0271 with VDE registration number and BAM-test report on manufacturing
- **Temperature range**
flexing -5°C to +50°C
fixed installation -30°C to +70°C
- Permissible **operating temperature** at conductor +70°C
- **Nominal voltage** U_0/U 0,6/1 kV
- **Test voltage** 4 kV
- Max. permissible **tensile stress** by cable grip for Cu-conductor = 50 N/mm²
- **Minimum bending radius**
approx. 12x cable Ø

Cable structure

- Plain copper conductor, solid according to DIN VDE 0295 cl. 1, BS 6360 cl. 1 and IEC 60228 cl. 1
- Core insulation of PVC, compound Y13 according to DIN VDE 0207 part 4
- Concentric lay-up of cores
- Core identification according to DIN VDE 0293-308
- PVC outer jacket black¹⁾ according to DIN VDE 0207 part 5

Properties

- Oil and fuel-resistant according to DIN ISO 6722
- 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)
- VDE 0298 part 1 shall be observed.

Note

- **BAM** = Bundesanstalt für Materialprüfung.
- ¹⁾ Version with blue outer jacket available upon request.
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

Power and data transmission cables are used for outdoor and underground applications, in water and in concrete provided mechanical damage can be ruled out. These cables are installed for applications such as petrol stations and oil refineries where resistance to oils and fuels is required.

CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

Part No.	No. cores x cross-sec. mm ²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
32592	2 x 1,5	12,2	29,0	180,0	16
32595	3 x 1,5	13,2	43,0	225,0	16
32594	4 x 1,5	14,2	58,0	260,0	16

Part No.	No. cores x cross-sec. mm ²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
32595	5 x 1,5	15,2	72,0	280,0	16
32596	7 x 1,5	16,2	101,0	370,0	16

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

Our Service on the Internet

The screenshot shows the HELUKABEL website interface. At the top, there is a navigation menu with links for 'Download centre', 'Logistic centre', 'Company', 'Products', 'Quality', 'News', 'Contact', 'Service', 'Opinion', and 'Imprint'. The 'Products' menu is expanded, showing options like 'Cables & Wires', 'Special Cables', 'Data-Network-Engineering', 'Cable Accessories', and 'HELU ROBOTICS'. A search bar is located on the right. Below the navigation, there is a section for 'Photovoltaic systems' with an image of solar panels and text describing a range of wires and accessories for solar plants. A world map is also visible in the bottom right corner of the screenshot.

Products

You will receive a very detailed and exact overview of our broad spectrum of cables, wires, accessories and data, network and bus technics as soon as HELUROBOTICS. The technical documentation is extensive and leaves no questions unanswered.

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