

# 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
- **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/mm<sup>2</sup>
- **Minimum bending radius**  
approx. 12x cable ø

## Cable structure

- Bare 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 black<sup>1)</sup> 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** = Federal Institute for Materials Testing
- <sup>1)</sup> Version with blue outer jacket available upon request.

## 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 2006/95/EG.

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.	Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
32592	2 x 1,5	11,0	29,0	180,0	16	32595	5 x 1,5	13,0	72,0	280,0	16
32593	3 x 1,5	11,5	43,0	225,0	16	32596	7 x 1,5	15,5	101,0	370,0	16
32594	4 x 1,5	12,0	58,0	260,0	16						

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