

NAYFGY

Medium voltage cable, 3,6/6 kV
+70 °C service temperature, three core, flat steel wire armoured, PVC sheath
DIN VDE 0271

Application

Armoured medium voltage cable with aluminium conductor for power stations, industrial applications and distribution networks where additional protection against mechanical damage is required and in the case of increased tensile forces during installation, laying and operation.

For fixed installation indoors and outdoors, in ground, in water, in concrete and in cable ducts. Outdoor laying only permitted when protected from direct sunlight.

Construction



- | | |
|-------------------|---|
| 1. Conductor: | Aluminium conductor, bare, stranded (class 2) |
| 2. Insulation: | PVC |
| 3. Core covering: | PVC |
| 4. Armoring: | Galvanized steel wires, flat |
| 5. Outer sheath: | PVC, red |

Technical information

Rated voltage	U ₀ /U	3,6/6 kV
Max. permissible temperature at conductor		70 °C
Max. short circuit temperature of the conductor		160 °C (max. 5 sec)
Operating temperature	fixed installed	-30 °C to 70 °C
Temperature during installation		-5 °C to 70 °C
Min. bending radius mm	fixed installed	12 x outer diameter in mm
Safety parameters		
Flame spread	single cable	IEC 60332-1

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N° of cores and cross section mm ²	Outer diameter approx. mm	Weight approx. kg/km
3 x 95 sm	45,5	3170
3 x 120 sm	48,3	3591
3 x 150 sm	51,4	4044
3 x 185 sm	54,9	4652
3 x 240 sm	59,2	5438
3 x 300 sm*	63,4	6248

*adapted to standard

sm: sector shaped conductors, stranded

La version française de cette fiche technique est disponible sur demande.
 De technische gegevens zijn op aanvraag in het Nederlands beschikbaar.