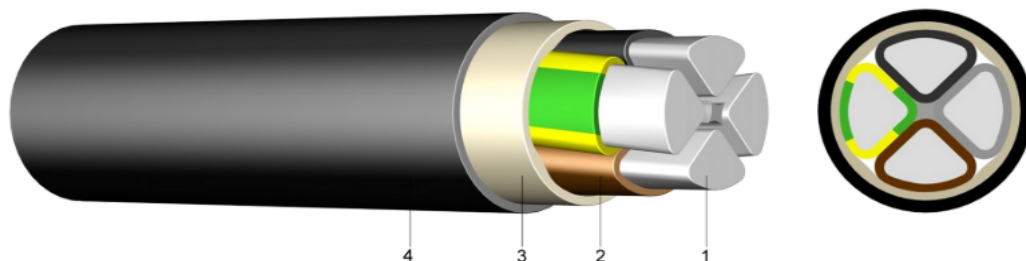


NAYY-J/NAYY-O Cable



Construction

Conductor: Aluminium conductor, round solid (RE), sector-shaped solid (SE), round stranded (RM) resp, sector-shaped stranded (SM)

Insulation: PVC (Polyvinyl chloride)

Outer Sheath: PVC (Polyvinyl chloride), Black

Applications

Designed for fixed installation in power stations, industrial plants, and local power distribution networks. NAYY is the cost-effective alternative to copper cables (NYY) for long-distance power transmission. It is suitable for installation:

Indoors

Outdoors

Underground

In Concrete

Standards

Design Specification: DIN VDE 0276-603 / HD 603 S1 Part 3G

Conductor Standard: IEC 60228 Class 1 & 2 (Aluminum)

Flame Retardancy: IEC 60332-1-2

Environmental: RoHS 3 & REACH Compliant.



Specification

Voltage rating (U _o /U)	0.6/1 kV
Test Voltage	4KV
Permissible operating temperature of the conductor	+70°C
Max. temperature during short circuit (≤5S)	160°C
Cable laying temperature (not less than)	-5°C
Min. Bending radius	15x

Technical Data

Number of cores and nominal cross section (mm ²)	Conductor type	Overall diameter appr. (mm)	Aluminum Weight (kg/km)	Cable weight appr. (kg/km)
NAYY-O				
1 x 25.0	re	12.2	70	190
1 x 35.0	re	13.1	97	229
1 x 50.0	re	14.5	131	288
1 x 50.0	rm	15.4	135	303
1 x 70.0	rm	17.1	195	385
1 x 95.0	rm	19.3	270	499
1 x 120.0	rm	20.8	341	589
1 x 150.0	rm	22.6	419	705
1 x 185.0	rm	24.9	526	862
1 x 240.0	rm	27.7	690	1083
1 x 300.0	rm	30.6	863	1325
2 x 25.0	re	22.4	140	685
2x 35.0	re	24.3	194	826
2 x 35.0	rm	25.4	199	880
2 x 50.0	re	27.3	261	1049
2 x 50.0	rm	29.1	269	1155
2 x 70.0	rm	33.1	390	1447
2 x 95.0	rm	37.9	539	1905
NAYY-J				
4 x 25.0	re	25.8	281	912
4 x 35.0	re	28.2	388	1111
4 x 50.0	se	31.2	539	1265
4 x 70.0	se	36.0	779	1658
4 x 95.0	se	40.2	1079	2139
4 x 120.0	se	43.2	1364	2524
4 x 150.0	se	48.0	1676	3123
4 x 185.0	se	53.7	2105	4002
4 x 240.0	se	58.7	2762	4848
4 x 300.0	se	64.3	3452	5882