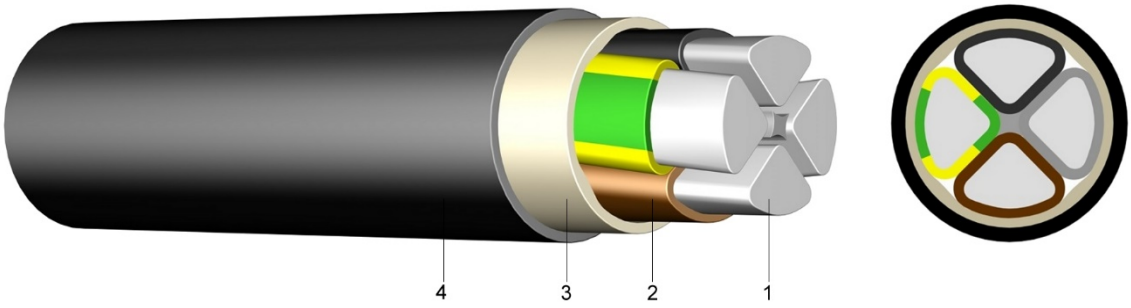
NAYY E_{ca}

Power and control cable, 0,6/1 kV
+70 °C service temperature, UV resistant
DIN VDE 0276-603, IEC 60502-1 and EN 50575

Application

Power and control cable. For fixed installation indoors and outdoors, in ground, in water, in concrete and in cable ducts where mechanical damage is not expected.

Construction



1.	Conductor:	Aluminium conductor, solid (class 1) or stranded (class 2)	
2.	Insulation:	PVC	
	Core identification:	According to HD 308 S2	
		-J: with green/yellow core	-O: with green/yellow core
3.	Core covering:	Tape or filler	
4.	Outer sheath:	PVC, black	

Technical information

Rated voltage	U_0/U	0,6/1 kV
Max. permissible temperature at conductor		70 °C
Max. short circuit temperature of the conductor		≤300 mm² 160 °C (max. 5 sec)
		>300 mm² 140 °C (max. 5 sec)
Min. operating temperature	fixed installation	-30 °C
Min. temperature during installation		-5 °C
Min. bending radius mm	fixed installation	12 x outer diameter in mm

Safety parameters

Reaction to fire		EN 50399 E_{ca}
Flame spread	single cable	IEC 60332-1-2

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N° of cores and cross section mm²	Average insulation thickness mm	Average outer sheath thickness mm	Outer diameter approx. mm	Weight approx. kg/km
1 x 35 rm	1,2	1,8	14,0	255
1 x 50 rm	1,4	1,8	16,0	350
1 x 70 rm	1,4	1,8	17,0	400
1 x 95 rm	1,6	1,8	19,0	500
1 x 120 rm	1,6	1,8	20,0	600
1 x 150 rm	1,8	1,8	22,0	750
1 x 185 rm	2,0	1,8	24,0	880
1 x 240 rm	2,2	1,8	26,0	1100
1 x 300 rm	2,4	1,9	29,0	1350
1 x 400 rm	2,6	2,0	33,0	1700
1 x 500 rm	2,8	2,1	36,0	2100
1 x 630 rm	2,8	2,2	40,0	2600
4 x 25 re	1,2	1,8	25,0	950
4 x 35 re	1,2	1,8	27,0	1150
4 x 50 se	1,4	1,9	29,0	1250
4 x 70 se	1,4	2,1	33,0	1700
4 x 95 se	1,6	2,2	37,0	2150
4 x 120 se	1,6	2,4	41,0	2650
4 x 150 se	1,8	2,5	45,0	3100
4 x 185 se	2,0	2,7	50,0	3850
4 x 240 se	2,2	2,9	55,0	4800
4 x 300 se	2,4	3,0	65,5	5685
4 x 25 rm	1,2	1,8	25,0	950
4 x 50 sm	1,4	1,9	29,5	1150
4 x 70 sm	1,4	2,1	33,4	1700
4 x 95 sm	1,6	2,2	39,0	2150
4 x 120 sm	1,6	2,4	43,0	2650
4 x 150 sm	1,8	2,5	46,0	3100
4 x 185 sm	2,0	2,7	51,0	3850
4 x 240 sm	2,2	2,9	58,0	4800
4 x 300 sm	2,4	3,0	65,5	5685

RE = round solid, class 1
RM = round stranded, class 2
SE = sector-shaped, solid, class 1
SM = sector-shaped, stranded, class 2

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

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