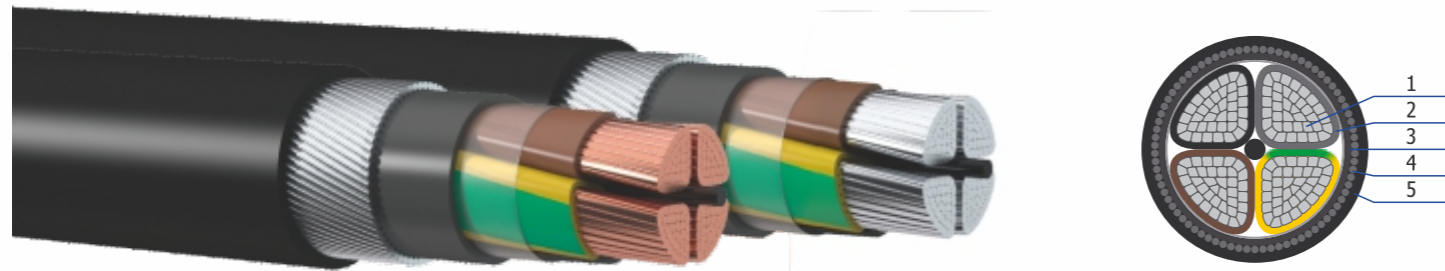


Power cables rated voltage 0.6/1 kV

1-AYKYDY (-J, -O), 1-CYKYDY (-J, -O), ČSN 347659, HD 603, IEC 60502-1



Application Power cables suitable for laying in open air, in ground, in cable trays and ducts, in areas with high risk of mechanical damage.

Construction

1. Conductor: Aluminum or copper acc. to EN 60228, Class 1 - RE (solid, round), Class 1 - SE (solid, shaped), Class 2 - RM (stranded, round), Class 2 - SM (stranded, shaped);
2. Insulation: PVC (color code acc. HD 603 clause 4, -J - with Y/G core, -O - without Y/G core);
3. Filler/inner covering: PVC;
4. Armor: Galvanized round steel wires;
5. Cover: PVC.

Parameters

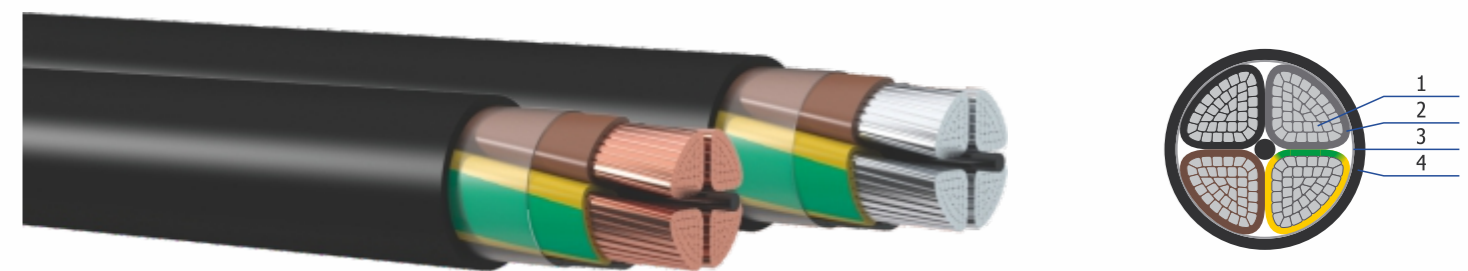
	Exploitation temperature range, °C	from -50 to 50
	Short-circuit temperature, °C	160
	Bending radius	12D
	Fire properties	EN 60332-1-2
	Operating conductor temperature, °C	max +70
	Cabling (inside/outside)	inside/outside
	Installation temperature, °C	-5
	Frequency, Hz	50
	Testing voltage, kV	4
	Rated voltage, kV	0,6/1

Cable sizes

	Al		Cu		Al		Cu	
Number of conductors	3	2	3	3+1	4	-	5	-
Minimum conductor size, mm ²	25	1,5	1,5	95+70	25	1,5	-	1,5
Maximum conductor size, mm ²	240	16	240	240+120	300	-	16	-

Power cables rated voltage 0.6/1 kV

YAKY, YnAKY (-J, -O), YKY, YnKY (-J, -O), HD 603, IEC 60502-1



Application Power cables suitable for laying in buildings, power stations, in open air, in ground, in cable trays and ducts where mechanical damages are not expected.

Construction

1. Conductor: Aluminum or copper acc. to EN 60228, Class 1 - RE (solid, round), Class 1 - SE (solid, shaped), Class 2 - RM (stranded, round), Class 2 - SM (stranded, shaped);
2. Insulation: PVC (color code acc. to HD 603 clause 4, -J - with Y/G core, -O - without Y/G core);
3. Filler/inner covering: EPDM or plastic tape;
4. Cover: PVC sheath (black color), YnAKY, YnKY - PVC sheath (black color).

Parameters

	Exploitation temperature range, °C	from -30 to 50
	Short-circuit temperature, °C	160 (S≤300mm ²); 140 (S>300mm ²)
	Bending radius	15D (single core); 12D (multi core)
	Fire properties	EN 60332-1-2; EN 60332-3-24 (for YnAKY, YnKY)
	Operating conductor temperature, °C	max +70
	Cabling (inside/outside)	inside/outside
	Installation temperature, °C	-5
	Frequency, Hz	50
	Testing voltage, kV	4
	Rated voltage, kV	0,6/1

Cable sizes

	Al		Cu		Al		Cu		Al		Cu	
Number of conductors	1	-	2	-	3	-	3+1	-	4	-	5	
Minimum conductor size, mm ²	10	1	-	1	10	1	25+16	10	1	10	1	
Maximum conductor size, mm ²	630	-	16	-	240	-	300+150	300	240	-	185	