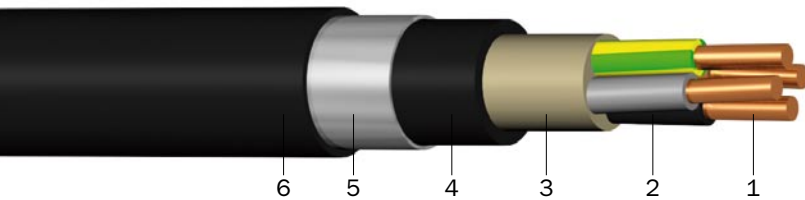


YBY

Underground cable with PVC insulation and PVC sheath, steel-tape armoured

DESIGN



- 1 | Copper conductor, round solid (RE), round stranded (RM), resp. sector-shaped stranded (SM)
- 2 | Core insulation (PVC)
- 3 | Inner covering (EPDM or plastic tape)
- 4 | Sheath (PVC black)
- 5 | Armouring (galvanized steel tape)
- 6 | Sheath (PVC black, UV-resistant)

APPLICATION

Power distribution cables in power stations, industrial installations and switchgears, as well as in local mains. For fixed installation underground, in interior premises, cable ducts, in the open air and in water – as permitted by the local building regulations – if high protection against mechanical damage is required.

TECHNICAL DATA



Standard:
IEC 60502-1



Rated voltage:
0.6/1 kV



Test voltage:
3.5 kV/50 Hz



Temperature range:
 laying temperature: min. –5 °C
 operating temperature: –50 °C to +70 °C
 conductor temperature: max. +70 °C
 short-circuit temperature: max. +160 °C/5 s



Bending radius (min.):
15 x Ø of cable



Core identification:
HD 308 S2



Fire properties:
flame retardant:
EN 60332-1-2



Certificate:
CU-TR Russia, Belarus and Kazakhstan

Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the ground ¹ (A)	Current rating in the air ¹ (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
YBY						
2 x 1.5 RE	12.100	31	19	11.5	200	500 D, 1,000 D
3 x 1.5 RE	12.100	26	19	12.0	225	500 D, 1,000 D
4 x 1.5 RE	12.100	26	19	13.0	250	500 D, 1,000 D
5 x 1.5 RE	12.100	18	14	14.0	285	500 D, 1,000 D
2 x 2.5 RE	7.410	41	26	12.3	240	500 D, 1,000 D
3 x 2.5 RE	7.410	35	24	12.5	270	500 D, 1,000 D
4 x 2.5 RE	7.410	35	24	13.6	305	500 D, 1,000 D
5 x 2.5 RE	7.410	24	19	15.5	370	500 D, 1,000 D
2 x 4 RE	4.610	52	36	15.0	420	500 D, 1,000 D
3 x 4 RE	4.610	44	33	15.5	460	500 D, 1,000 D
4 x 4 RE	4.610	44	33	16.0	530	500 D, 1,000 D
5 x 4 RE	4.610	31	25	18.0	625	500 D, 1,000 D
2 x 6 RE	3.080	66	46	16.0	475	500 D, 1,000 D
3 x 6 RE	3.080	56	41	17.0	555	500 D, 1,000 D

YBY

Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the ground ¹⁾ (A)	Current rating in the air ¹⁾ (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/ packing (m)
YBY						
4 x 6 RE	3.080	56	41	18.0	655	500 D, 1,000 D
5 x 6 RE	3.080	40	31	19.5	760	500 D, 1,000 D
2 x 10 RE	1.830	87	64	18.0	630	500 D, 1,000 D
3 x 10 RE	1.830	75	57	19.0	745	500 D, 1,000 D
4 x 10 RE	1.830	75	57	20.2	940	500 D, 1,000 D
5 x 10 RE	1.830	53	42	21.6	1,090	500 D, 1,000 D
4 x 10 RM	1.830	75	57	20.5	975	500 D, 1,000 D
5 x 10 RM	1.830	53	42	22.0	1,110	500 D, 1,000 D
2 x 16 RE	1.150	112	86	19.0	845	500 D, 1,000 D
3 x 16 RE	1.150	98	75	21.3	985	500 D, 1,000 D
4 x 16 RE	1.150	98	75	23.2	1,240	500 D, 1,000 D
5 x 16 RE	1.150	69	57	25.5	1,520	500 D, 1,000 D
3 x 16 RM	1.150	98	75	22.0	1,030	500 D, 1,000 D
4 x 16 RM	1.150	98	75	24.0	1,290	500 D, 1,000 D
5 x 16 RM	1.150	69	57	26.0	1,500	500 D, 1,000 D
4 x 25 RM	0.727	128	102	27.5	1,830	500 D, 1,000 D
4 x 35 SM	0.524	154	125	28.7	2,040	500 D, 1,000 D
3 x 50 + 25 SM/RM	0.387/0.727	182	152	32.0	2,460	500 D, 1,000 D
3 x 70 + 35 SM/RM	0.268/0.524	225	193	36.0	3,350	500 D, 1,000 D
3 x 95 + 50 SM/RM	0.193/0.387	272	239	39.0	4,200	500 D, 1,000 D
3 x 120 + 70 SM/RM	0.153/0.268	308	276	44.0	5,250	500 D, 1,000 D
3 x 150 + 70 SM/RM	0.124/0.268	348	316	49.0	6,290	500 D
3 x 185 + 95 SM/RM	0.099/0.193	394	363	56.0	7,720	500 D
3 x 240 + 120 SM/RM	0.075/0.153	459	432	59.0	9,830	500 D

1) basic rated current acc. to IEC 60502-1
Subject to technical changes.