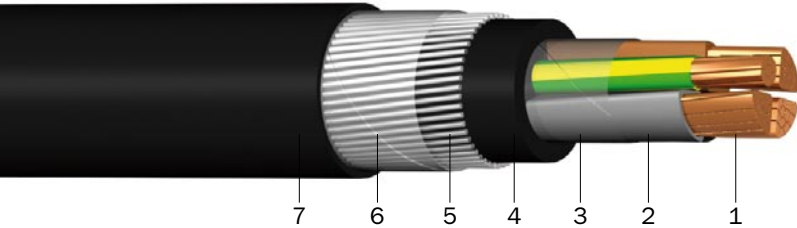


YRY

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

DESIGN



- 1 | Copper conductor, 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 wires)
- 6 | Outer covering (plastic tape)
- 7 | 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)
YRY						
3 x 35 + 16 SM/RM	0.524/1.150	154	125	31.0	2,480	500 D, 1,000 D
3 x 50 + 25 SM/RM	0.387/0.727	182	152	35.7	3,420	500 D, 1,000 D
3 x 70 + 35 SM/RM	0.268/0.524	225	193	39.6	4,400	500 D, 1,000 D
3 x 95 + 50 SM/RM	0.193/0.387	272	239	46.0	6,050	500 D, 1,000 D
3 x 120 + 70 SM/RM	0.153/0.268	308	276	49.0	7,250	500 D, 1,000 D
3 x 150 + 95 SM/RM	0.124/0.193	348	316	54.5	8,760	500 D
3 x 185 + 95 SM/RM	0.099/0.193	395	363	59.8	10,320	500 D
3 x 240 + 120 SM/RM	0.075/0.153	459	432	68.9	12,830	500 D

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