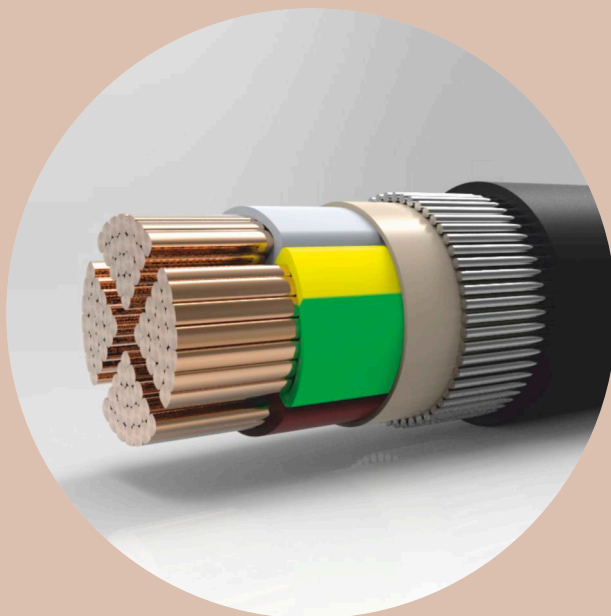




**ttkabeli**

**Copper power cables for voltage up to 1kV**



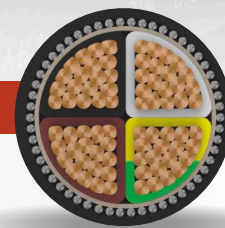
## **NYRY-J/O**

**Underground cable with PVC insulation and PVC sheath,  
steel-wire armored**



### Copper power cables for voltage up to 1kV

ttkabeli



#### 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.



#### CONSTRUCTION

- Copper conductor, round stranded (RM), resp. sector-shaped stranded (SM)
- Core insulation (PVC)
- Inner covering (EPDM or plastic tape)
- Armoring (galvanized steel wires)
- Outer covering (plastic tape)
- Sheath (PVC black, UV-resistant)



#### TEHNIICAL DATA

**Standard:** DIN VDE 0276-603 (HD603)  
**Rated voltage:** 0.6 / 1kV  
**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



## Underground cable with PVC insulation and PVC sheath, steel-wire armored

# NYRY-J/O

CONSTRUCTION DATA OF POWER CABLES / NYRY						
Number of cores x nominal cross section	Max. conductor resistance	Current rating in the ground <sup>1</sup>	Current rating in the air <sup>1</sup>	Outer diameter	Total weight (kg/km) ca.	Standard lengths / packig
(mm <sup>2</sup> )	(Ω / km)	(A)	(A)	(mm) ca.	(kg/km)	(m)
<b>3 x 35 + 16 SM/RM</b>	0.524/1.150	154	125	31.0	2480	500 D, 1000 D
<b>3 x 50 + 25 SM/RM</b>	0.387/0.727	182	152	35.7	3420	500 D, 1000 D
<b>3 x 70 + 35 SM/RM</b>	0.268/0.524	225	193	39.6	4400	500 D, 1000 D
<b>3 x 95 + 50 SM/RM</b>	0.193/0.387	272	239	46.0	6050	500 D, 1000 D
<b>3 x 120 + 70 SM/RM</b>	0.153/0.268	308	276	49.0	7250	500 D, 1000 D
<b>3 x 150 + 95 SM/RM</b>	0.124/0.193	348	316	54.5	8760	500 D
<b>3 x 185 + 95 SM/RM</b>	0.099/0.193	395	363	59.8	10320	500 D
<b>3 x 240 + 120 SM/RM</b>	0.075/0.153	459	432	68.9	12830	500 D

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



# NYRY-J/O