

XP 41, XP 41-A**ENERGETSKI KABELI S XLPE IZOLACIJOM I PVC PLAŠTEM, ARMIRANI S DVIJE ČELIČNE TRAKE**

Tipaska oznaka po IEC: Cu/XLPE/STA/PVC,
Al/XLPE/STA/PVC

Norme:

IEC 60 502-1

Nazivni napon: 1 kV

Ispitni napon: 3,5 kV

OPIS KONSTRUKCIJE

1. **Vodič:** uže od bakra tip **XP 41**
uže od aluminija tip **XP 41-A**
2. **Izolacija:** XLPE masa
3. **Ispuna:** brizgana elastomerna ili plastomerna mješavina ili omotane termoplastične vrpce
4. **Armatura:** dvije čelične trake
5. **Plašt:** PVC masa

Slika 8. Konstrukcija kabela tipa **XP 41** i **XP 41-A**

POWER CABLES WITH XLPE INSULATION AND PVC SHEATH, ARMoured WITH TWO STEEL TAPES

Type code acc. to IEC: Cu/XLPE/STA/PVC,
Al/XLPE/STA/PVC

Standards:

IEC 60 502-1

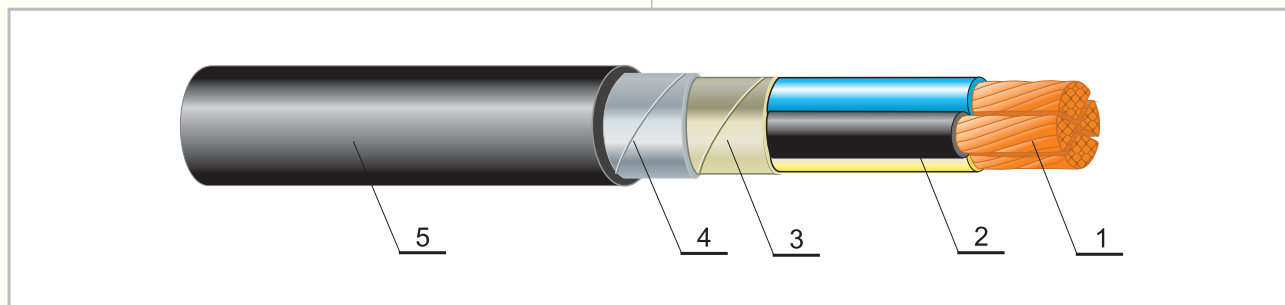
Nominal voltage: 1 kV

Test voltage: 3,5 kV

CONSTRUCTION DESCRIPTION

1. **Conductor:** copper rope type **XP 41**
aluminium rope type **XP 41-A**
2. **Insulation:** XLPE compound
3. **Filling:** extruded elastomer or plastomer compound or wrapped thermoplastic tapes
4. **Armour:** two steel tapes
5. **Sheath:** PVC compound

Picture 8. Construction of cable type **XP 41** and **XP 41-A**



MJESTO I PODRUČJE UPORABE

U zemlju, kanale, na konzole, u suhim i vlažnim prostorijama i sl., gdje se očekuju mehanička oštećenja, a kabeli nisu izloženi mehaničkom vlačnom istezanju.

U gradskim mrežama, industrijskim pogonima, elektranama i drugim električnim postrojenjima za povišena strujna i termička opterećenja (radna temperatura vodiča do 90° C). Za potrebe MTK sistema upravljanja u distribucijskim mrežama, kod četverožilnih kabela većih presjeka ugrađuje se u sredinu između žila kabela dodatni izolirani vodič 2,5 mm².

Tablica 6.7.1. Konstrukcijski podaci kabela **XP 41** i **XP 41-A****PLACE AND FIELD OF APPLICATION**

In earth, ducts, on support brackets, in dry and wet conditions etc., where one can expect mechanical damages and the cables are not exposed to the mechanical tensile strain.

In urban networks, industrial plants, electric power plants and other electricity consumers for elevated electricity and thermic strains (operating temperature of the conductor up to 90° C). For the necessity of MTK control systems in distribution networks, at four-core cables of larger cross-section, an additional insulated conductor of 2,5 mm² is applied in the middle among the cable cores.

Table 6.7.1. Construction Data on Cables **XP 41** and **XP 41-A**

Nazivni presjek kabela/ <i>Cable Nominal Cross-section</i>	Debljina izolacije/ <i>Insulation Thickness</i>	Debljina plašta/ <i>Sheath Thickness</i>	Vanjski promjer (približno)/ <i>Overall Diameter (approx.)</i>	Težina kabela (približno)/ <i>Cable Weight (approx.)</i>		Pakiranje/ <i>Packing</i>	
				XP 41	XP 41-A	Dužina/ <i>Length</i>	Bubanj/ <i>Drum</i>
n x mm ²	mm	mm	mm	kg/km	kg/km	m	
2 x 16	0,7	1,8	20,9	840	640	1000	BD-12
2 x 25	0,9	1,8	24,5	1195	885	1000	BD-14
2 x 35	0,9	1,8	26,3	1485	1055	1000	BD-16
3 x 16	0,7	1,8	21,9	1010	705	1000	BD-14
3 x 25	0,9	1,8	25,2	1445	975	1000	BD-14
3 x 35	0,9	1,9	27,9	1825	1155	1000	BD-16
4 x 16	0,7	1,8	23,5	1220	815	1000	BD-14
4 x 25	0,9	1,9	27,6	1775	1150	1000	BD-16
4 x 35	0,9	2,0	30,5	2255	1395	1000	BD-16
4 x 50	1,0	2,0	33,9	2635	1445	500	BD-14
4 x 70	1,1	2,2	39,5	3990	2245	500	BD-16
4 x 95	1,1	2,3	43,7	5020	2710	500	BD-16
4 x 120	1,2	2,5	46,6	6245	3315	500	BD-18
4 x 150	1,4	2,6	52,1	7455	3885	500	BD-20
4 x 185	1,6	2,8	57,6	9500	4980	500	BD-20
4 x 240	1,7	3,0	61,2	11520	5680	500	BD-20
4 x 300	1,8	3,1	65,2	14470	6735	500	BD-22