

BXHOZO-HFTG

EKRANIZIRANI, SREDNJENAPONSKI, ARMIRANI, TEŠKO GORIVI KABEL BEZ HALOGENA ZA 3,6/6 i 6/10 kV

Konstrukcija i ispitivanje prema standardu:
IEC 60092-350, IEC 60092-354

Maksimalna radna temperatura vodiča: 90 °C

Nominalni napon: 3,6/6 kV, 6/10 kV

Ispitni napon: 11 kV, 15 kV

Ispitivanje zapaljivosti: IEC 60332-1, IEC 60332-3/cat. A

Ispitivanje na koroziju: IEC 60754-1

Ispitivanje gustoće dima: IEC 61034

OPIS KONSTRUKCIJE

- Vodič:** pokositrena okrugla bakrena žica, klasa 2, IEC 60228. Vidi tablicu 5.1.
- Poluvodljivi slojevi:** SC XLPE
- Izolacija:** XLPE, prema IEC 60092-351
- Ekran:** bakrena traka ili bakrena žica
- Ispuna i unutrašnji plašt:** smjesa na bazi poliolefina
- Armatura:** oplet od pokositrenih bakrenih žica (minimalna gustoća 90%)
- Plašt:** poliolefin, tip SHF 1 prema IEC 60092-359 (SHF 2 na zahtjev)

SCREENED, MEDIUM VOLTAGE, ARMoured, FIRE RETARDANT, HALOGEN FREE FOR 3,6/6 AND 6/10 kV CABLE

Construction and testing according to standards:
IEC 60092-350, IEC 60092-354

Maximum operating temperature of conductor: 90 °C

Nominal voltage: 3,6/6 kV, 6/10 kV

Testing voltage: 11 kV, 15 kV

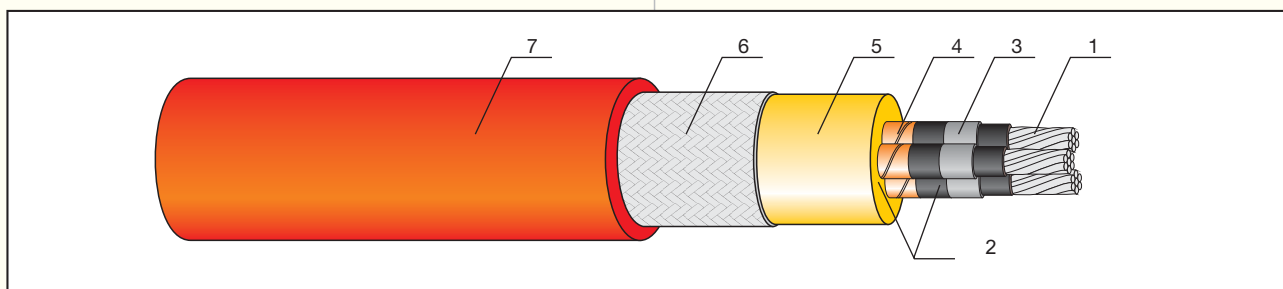
Inflammability test: IEC 60332-1, IEC 60332-3/cat. A

Corrosion test: IEC 60754-1

Smoke density test: IEC 61034

CONSTRUCTION DESCRIPTION

- Conductor:** tinned round copper wire, class 2, IEC 60228. See Table 5.1.
- Semiconductive layers:** SC XLPE
- Insulation:** XLPE, acc. to IEC 60092-351
- Screen:** copper tape or copper wire
- Filler and inner covering:** compound on the polyolefin basis
- Armour:** tinned copper wires braiding (minimum density 90%)
- Sheath:** polyolefin, type SHF 1 acc. to IEC 60092-359 (SHF 2 on request)



OZNAKA NA PLAŠTU

ELKA CS ATOX-MARIN BXHOZO-HFTG nxSmm²
U₀/U kV IEC 60092-354, IEC 60332-3

Boje izolacije:

Boja plašta: crvena ili crna

SHEATH MARKING

ELKA CS ATOX-MARIN BXHOZO-HFTG nxS mm²
U₀/U kV IEC 60092-354, IEC 60332-3

Insulation colours:

Sheath colour: red or black

Tablica 3.6.1. Konstrukcijski podaci za kabel BXHOZO-HFTG 3,6/6 kV

Table 3.6.1. Construction data of BXHOZO-HFTG 3,6/3 kV cable

Konstrukcija / Construction	Nominalna debljina izolacije / Nominal thickness of insulation	Nominalna debljina plašta / Nominal thickness of sheath	Vanjski promjer približno / External diameter approx.	Minimalni radius savijanja / Minimal bending radius	Težina kabela približno / Cable weight approx.	Strujno opterećenje / Current load
nxmm ²	mm	mm	mm	mm	kg/km	A
1	2	3	4	5	6	7
1x25	2,5	1,4	20,0	170	740	120
1x35	2,5	1,4	21,0	190	800	145
1x50	2,5	1,5	22,5	200	1030	180
1x70	2,5	1,5	24,5	210	1330	225
1x95	2,5	1,6	26,0	230	1540	275
1x120	2,5	1,6	27,5	240	1960	320
1x150	2,5	1,7	29,0	250	2310	365
1x185	2,5	1,8	31,0	270	2730	415
1x240	2,5	1,8	34,0	290	3390	490
1x300	2,8	1,9	37,0	320	4100	560
3x25	2,5	1,9	38,0	330	2410	84
3x35	2,5	2,0	40,0	350	2930	102
3x50	2,5	2,1	43,0	380	3600	126
3x70	2,5	2,2	48,0	410	4320	158
3x95	2,5	2,4	51,0	450	5690	193
3x120	2,5	2,5	55,0	490	6860	224
3x150	2,5	2,6	58,0	510	8050	256

Tablica 3.6.2. Konstrukcijski podaci za kabel BXHOZO-HFTG 6/10 kV

Table 3.6.2. Construction data of BXHOZO-HFTG 6/10 kV cable

Konstrukcija / Construction	Nominalna debljina izolacije / Nominal thickness of insulation	Nominalna debljina plašta / Nominal thickness of sheath	Vanjski promjer približno / External diameter approx.	Minimalni radius savijanja / Minimal bending radius	Težina kabela približno / Cable weight approx.	Strujno opterećenje / Current load
nxmm ²	mm	mm	mm	mm	kg/km	A
1	2	3	4	5	6	7
1x25	3,4	1,4	22,0	140	780	120
1x35	3,4	1,5	23,0	150	950	145
1x50	3,4	1,5	24,5	160	1140	180
1x70	3,4	1,6	27,0	170	1440	225
1x95	3,4	1,7	28,0	180	1760	275
1x120	3,4	1,7	30,0	190	2090	320
1x150	3,4	1,8	32,0	200	2450	365
1x185	3,4	1,8	33,0	210	2860	415
1x240	3,4	1,9	36,0	230	3520	490
1x300	3,4	2,0	38,0	240	4230	560
3x25	3,4	2,0	41,0	260	2800	84
3x35	3,4	2,1	44,0	280	2940	102
3x50	3,4	2,3	47,0	300	4060	126
3x70	3,4	2,4	52,0	320	5200	158
3x95	3,4	2,5	55,0	350	6330	193
3x120	3,4	2,7	59,0	380	7460	224
3x150	3,4	2,8	62,0	400	8650	256