

## TBX(Z)OZO-HFTG

### TELEKOMUNIKACIJSKI, ARMIRANI, TEŠKO GORIVI KABEL BEZ HALOGENA S INDIVIDUALNIM I ZAJEDNIČKIM EKRANOM ZA 60 V, 250 V i 0,6/1 kV

**Konstrukcija i ispitivanje prema standardu:**  
IEC 60092-350, IEC 60092-353, IEC 60092-376

**Maksimalna radna temperatura vodiča:** 90 °C

**Nominalni napon:** 60 V, 250 V, 0,6/1 kV

**Ispitni napon:** 1500 V, 1500 V, 3,5 kV

**Ispitivanje zapaljivost:** IEC 60332-1, IEC 60332-3/kat. A

**Ispitivanje na koroziju:** IEC 60754-1

**Ispitivanje gustoće dima:** IEC 61034

### OPIS KONSTRUKCIJE

- Vodič:** pokositrena bakrena žica, klasa 2, IEC 60228  
Vidi tablicu 5.1.
- Izolacija:** XLPE, prema IEC 60092-351
- Separator:** prema zahtjevu
- Ekran individualnih parica:** metalizirana poliesterska traka s odvodnom žicom
- Separator:** prema zahtjevu
- Zajednički ekran:** metalizirana poliesterska traka s odvodnom žicom
- Ispuna i unutrašnji plašt:** smjesa na bazi poliolefina
- Armatura:** opleat od pokositrenih bakrenih žica (minimalna gustoća 90%)
- Plašt:** poliolefin, tip SHF 1 prema IEC 60092-359, (SHF 2 na zahtjev)

### TELECOMMUNICATIONS, ARMoured, FIRE RETARDANT, HALOGEN FREE WITH INDIVIDUAL AND COMMON SCREEN FOR 60 V, 250 V AND 0,6/1 kV CABLE

**Construction and testing according to standards:**  
IEC 60092-350, IEC 60092-353, IEC 60092-376

**Maximum operating temperature of conductor:** 90 °C

**Nominal voltage:** 60 V, 250 V, 0,6/1 kV

**Testing voltage:** 1500 V, 1500 V, 3,5 kV

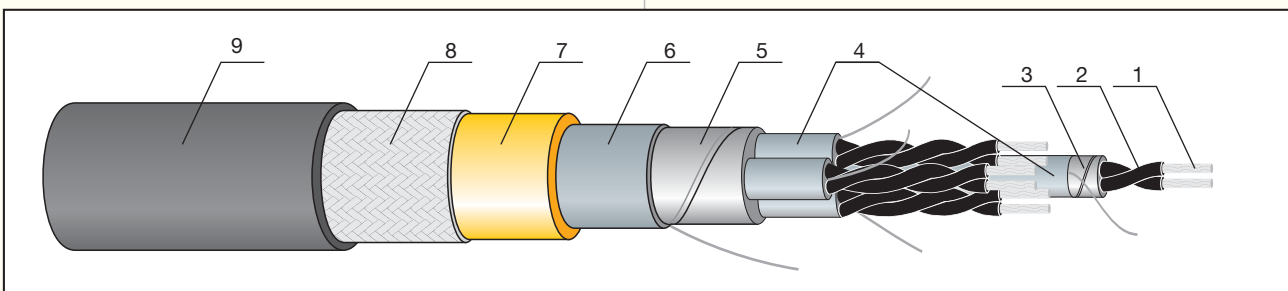
**Inflammability test:** IEC 60332-1, IEC 60332-3/cat. A

**Corrosion test:** IEC 60754-1

**Smoke density test:** IEC 61034

### CONSTRUCTION DESCRIPTION

- Conductor:** tinned copper wire, class 2, IEC 60228  
See Table 5.1.
- Insulation:** XLPE, acc. to IEC 60092-351
- Separator:** as required
- Individual pair screen:** metallized polyester tape with drain wire
- Separator:** as required
- Common screen:** metallized polyester tape with drain 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 TBX(Z)OZO-HFTG nxS mm<sup>2</sup>**  
60V/250V (ili 0,6/1 kV)  
IEC 60092-376, IEC 60332-3A  
(ili IEC 60092-353, IEC 60332-3A)

#### Boje izolacije:

Bijela ili crna, s brojevima: 1, 2 ... n

**Konstrukcija parica:** 1-2; 3-4; 5-6

**Boja plašta:** siva ili narančasta

### SHEATH MARKING

**ELKA CS ATOX-MARIN TBX(Z1)OZO-HFTG nxSmm<sup>2</sup>**  
60V/250V (or 0,6/1 kV)  
IEC 60092-376, IEC 60332-3A  
(or IEC 60092-353, IEC 60332-3A)

#### Insulation colours:

White or black, numbered: 1, 2 ... n

**Pairs construction:** 1-2; 3-4; 5-6

**Sheath colour:** gray or orange

**Tablica 3.11.1.** Konstrukcijski podaci za kabel  
**TBX(Z)OZO-HFTG 60/250 V****Table 3.11.1.** Construction data of  
**TBX(Z)OZO-HFTG 60/250 V 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.
nxmm <sup>2</sup>	mm	mm	mm	mm	kg/km
1	2	3	4	5	6
1x2x0,50	0,5	1,1	9,5	55	120
1x3x0,50	0,5	1,1	10,0	60	135
2x2x0,50	0,5	1,1	11,0	70	170
4x2x0,50	0,5	1,2	13,5	90	230
7x2x0,50	0,5	1,2	16,0	100	340
10x2x0,50	0,5	1,3	20,0	120	440
14x2x0,50	0,5	1,3	21,0	130	520
19x2x0,50	0,5	1,4	23,0	150	630
24x2x0,50	0,5	1,4	27,0	170	770
30x2x0,50	0,5	1,5	29,0	190	900
1x2x0,75	0,6	1,1	10,0	65	130
1x3x0,75	0,6	1,1	10,5	70	170
2x2x0,75	0,6	1,1	12,5	85	200
4x2x0,75	0,6	1,2	15,5	100	320
7x2x0,75	0,6	1,3	18,0	120	420
10x2x0,75	0,6	1,3	22,0	140	540
14x2x0,75	0,6	1,4	25,0	160	690
19x2x0,75	0,6	1,5	27,0	180	850
24x2x0,75	0,6	1,5	31,0	200	1030
30x2x0,75	0,6	1,6	33,0	210	1210

**Tablica 3.11.2.** Konstrukcijski podaci za kabel  
**TBX(Z)OZO-HFTG 0,6/1 kV****Table 3.11.2.** Construction data of  
**TBX(Z)OZO-HFTG 0,6/1 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.
nxmm <sup>2</sup>	mm	mm	mm	mm	kg/km
1	2	3	4	5	6
1x2x1	0,7	0,8	10,5	70	155
1x3x1	0,7	0,8	11,0	70	180
2x2x1	0,7	0,8	13,0	80	205
4x2x1	0,7	0,9	17,0	110	370
7x2x1	0,7	1,0	21,0	130	525
10x2x1	0,7	1,1	26,0	160	705
14x2x1	0,7	1,2	27,5	170	900
19x2x1	0,7	1,2	31,0	190	1100
24x2x1	0,7	1,4	36,0	220	1420
30x2x1	0,7	1,4	38,0	240	1640
1x2x1,5	0,7	0,8	11,0	80	170
1x3x1,5	0,7	0,8	11,5	80	210
2x2x1,5	0,7	0,9	14,5	110	320
4x2x1,5	0,7	1,0	19,0	120	450
7x2x1,5	0,7	1,1	22,0	140	610
10x2x1,5	0,7	1,2	28,0	180	860
14x2x1,5	0,7	1,2	31,0	190	1030
19x2x1,5	0,7	1,3	34,0	210	1390
24x2x1,5	0,7	1,5	40,0	250	1800
30x2x1,5	0,7	1,5	42,0	270	2120