

YTKSYekp**TELECOMMUNICATION SWITCHBOARD CABLES**Operating voltage
max 150 VTemp. range
fixed installation
from - 30°C to + 80°CTemp. range
during installation
from - 5°C to + 50°CBending radius
10xDFlame retardant
PN-EN 60332-1-2Indoor
applicationEMC
Electromagnetic
compatibility**APPLICATIONS**

YTKSYekp are multipair, pair and overall shielded cables intended for interconnections between switching and transmission equipment, for analogue or digital data transmission in industrial electronics and control applications.

Shielded pair structure substantially decreases mutual influence between signals transmitted along the cable.

The cables are protected by an overall electrostatic shield against external electric interferences.

The cables are suitable for fixed indoor installations.

CONSTRUCTION

- bare annealed copper single wire round conductors of diameter 0.5; 0.6; 0.8 i 1.0 mm,
- PVC insulation - identification colour code according to PN-92/T-90321,
- insulated conductors twisted into pairs,
- pair shields incorporating aluminium-polyester tape and annealed tinned copper single drain wire,
- shielded pairs laid-up in layers,
- overall electrostatic shield incorporating aluminium-polyester tape and annealed tinned copper single drain wire,
- PVC cable sheath, white RAL 9010, other colours also available.

AVAILABLE UPON REQUEST

HTKSHekp - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

CHARACTERISTICS

Conductor diameter	mm	0.5	0.6	0.8
DC conductor resistance at 20°C, maximum	Ω/km	195.6	135.8	75.0
Voltage test				
– AC voltage for 60s	V rms	1000	1000	1500
– DC voltage	V	1500	1500	2250

Operating voltage	150 V	Operating temperature range	
Insulation resistance, minimum	200 MΩ·km	during operation	from - 30 to + 80°C
Inductance, approximate	0.7 mH/km	during installation	from - 5 to + 50°C
		Minimum bending radius	10 x cable diameter
		Cable combustibility	flame retardant
		Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
		Reference standards	PN-92/T-90321, PN-92/T-90320

CE = the cable meets requirements of the low voltage directive 2014/35/EU

Product No.	Number of pairs (x 2) x conductor diameter	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm	mm	kg/km	kg/km
0414 001	2 x 2 x 0,5	5.1	8.7	28.5
0414 002	3 x 2 x 0,5	5.3	12.5	35.0
0414 013	4 x 2 x 0,5	5.6	16.3	41.0
0414 010	5 x 2 x 0,5	6.1	20.1	48.5
0414 009	6 x 2 x 0,5	6.5	23.8	55.5
0414 011	7 x 2 x 0,5	6.2	27.6	59.5
0414 003	10 x 2 x 0,5	8.7	38.9	85.5
0414 004	12 x 2 x 0,5	9.8	46.4	105.0

Product No.	Number of pairs (x 2) x conductor diameter	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm	mm	kg/km	kg/km
0414 005	21 x 2 x 0,5	10.9	80.4	158.0
0414 006	2 x 2 x 0,6	5.6	12.1	30.0
0414 007	12 x 2 x 0,6	11.4	66.4	142.0
0414 012	2 x 2 x 0,8	6.6	20.5	49.5
0414 014	3 x 2 x 0,8	7.0	30.2	64.0

Other cross-sections and pair counts available on request.

TECHNOKABEL S.A. reserves the right to change specifications without prior notice.