

YTKSY**TELECOMMUNICATION SWITCHBOARD CABLES**

Operating voltage
max 150 V



Temp. range
fixed installation
from - 30°C to + 80°C



Temp. range
during installation
from - 5°C to + 50°C



Bending radius
10xD



Flame retardant
PN-EN 60332-1-2



Indoor
application

APPLICATIONS

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

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,
- pairs laid-up in layers,
- PVC cable sheath, white RAL 9010, other colours also available.

AVAILABLE UPON REQUEST

HTKSH - 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.

YTKSY

CHARACTERISTICS

Conductor diameter	mm	0.5	0.6	0.8	1.0
DC conductor resistance at 20°C, maximum	Ω/km	195.6	135.8	75.0	48.0
Voltage test, min.					
– AC voltage for 60s	V rms	1000	1000	1500	1500
– DC voltage	V	1500	1500	2250	2250
Mutual capacitance of pair at 1 kHz					
– maximum	nF/km	120	120	120	120
– average		100	100	95	95

Operating voltage 150 V
Insulation resistance, minimum 200 MΩ·km
Inductance, approximate 0.7 mH/km

Operating temperature range
during operation from - 30 to + 80°C
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 (quads) x conductor diameter	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm	mm	kg/km	kg/km
0413 002	1 x 2 x 0,5	3.2	3.8	13.9
0413 021	1 x 4 x 0,5	3.5	7.7	20.5
0413 003	2 x 2 x 0,5	4.4	7.7	23.5
0413 004	3 x 2 x 0,5	4.6	11.5	29.5
0413 005	4 x 2 x 0,5	5.0	15.4	36.0
0413 006	5 x 2 x 0,5	5.5	19.2	43.0
0413 007	6 x 2 x 0,5	5.9	23.0	49.0
0413 008	7 x 2 x 0,5	5.9	26.9	54.0
0413 010	10 x 2 x 0,5	7.1	38.4	75.0
0413 011	12 x 2 x 0,5	7.4	46.1	84.0
0413 012	14 x 2 x 0,5	8.1	54.0	99.0
0413 013	21 x 2 x 0,5	9.5	81.0	139.0
0413 014	25 x 2 x 0,5	10.2	96.0	162.0
0413 015	30 x 2 x 0,5	11.3	115.0	195.0
0413 052	1 x 4 x 0,6	4.0	10.9	26.5
0413 049	3 x 2 x 0,6	5.0	16.1	37.0
0413 050	5 x 2 x 0,6	6.0	26.9	55.0

Product No.	Number of pairs (quads) x conductor diameter	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm	mm	kg/km	kg/km
0413 051	10 x 2 x 0,6	8.0	54.0	100.0
0413 053	14 x 2 x 0,6	9.1	76.0	127.5
0413 024	1 x 2 x 0,8	4.2	9.6	25.5
0413 028	1 x 4 x 0,8	4.7	19.2	40.0
0413 025	2 x 2 x 0,8	6.1	19.2	45.0
0413 026	3 x 2 x 0,8	6.5	28.8	59.0
0413 042	4 x 2 x 0,8	7.1	38.4	74.0
0413 027	5 x 2 x 0,8	8.0	48.0	93.0
0413 044	10 x 2 x 0,8	10.5	96.0	166.0
0413 054	12 x 2 x 0,8	11.7	115.8	203.0
0413 046	21 x 2 x 0,8	14.1	202.0	328.0
0413 055	24 x 2 x 0,8	15.8	231.6	375.5
0413 056	30 x 2 x 0,8	17.4	289.5	458.0
0413 057	40 x 2 x 0,8	19.9	386.0	603.0
0413 029	1 x 2 x 1,0	4.6	15.0	32.0
0413 048	1 x 4 x 1,0	5.1	28.8	52.0

Other cross-sections and pair counts available on request.

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