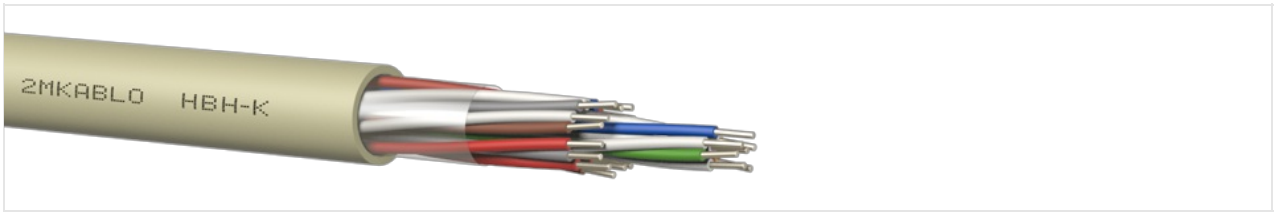
HBH-K



Areas of Use

These indoor tinned telephone cables are used in the subscriber and switchboard system. These cables have halogen-free and flame retardant insulation and sheath.

Cable Construction

Conductor	Solid Tinned Copper (IEC/EN 60228)
Insulation	HFFR (EN 50290-2-26)
Core Colors	TSE K 116, IEC 60189-2
Lay-up	Pairs and bundles (each bundle contains of 10 pairs and identified by colored spiral tape)
Drain Core	Insulated Solid Annealed Copper (white color with red ring color)
Separator	PET Foil
Outer Sheath	HFFR (EN 50290-2-27), RAL 7032 - Grey
Reference Standards	TSE K 116, IEC 60189-2

Technical Properties

Operating Voltage	250 V
Test Voltage	1000 V
Conductor Resistance	≤97.8 Ω/km
Insulation Resistance	>100 M.Ωxkm
Mutual Capacitance	<120 nF/km
Capacitance Unbalance (800 Hz)	≤400 pF/500m
Temperature Range	-30 °C.....+70 °C
Flame Retardancy	IEC/EN 60332-1
Smoke Density	IEC/EN 61034-2
Amount of Halogen Acid Gas	IEC/EN 60754-1
Corrosive Gases Measurement	IEC/EN 60754-2
Min. Bending Radius (Fixed)	8 x Cable Diameter

Cross Section

Configuration / Cross-Section (mm/mm²)	Cable Diameter (mm) (± 5%)	Copper Weight (kg / km)	~ Cable Weight (kg / km)
1x2x0.5+0.5	2.7	6	13
2x2x0.5+0.5	4.2	10	25
3x2x0.5+0.5	4.4	13	31
4x2x0.5+0.5	4.8	17	37
6x2x0.5+0.5	5.7	25	50
10x2x0.5+0.5	7.4	40	81

20x2x0.5+0.5	10.3	78	149
30x2x0.5+0.5	11.8	116	214
50x2x0.5+0.5	14.3	193	331
80x2x0.5+0.5	17.4	307	512
100x2x0.5+0.5	19.8	383	629
150x2x0.5+0.5	24.6	574	942
200x2x0.5+0.5	28.1	765	1268

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