



ÜNKA KABLO

LIHCH

APPLICATION RANGE

In places where electro-magnetic interference and influence exists
 In closed areas where people are densely populated
 -Instrumentation and control engineering
 -Industrial electronics
 -Computers and office machines
 -Indoor communication systems
 -Indoor sound systems
 -In places where human life and valuable materials and equipment need to be protected
 -The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

CONSTRUCTION

Conductor	Stranded electrolytic copper wire Class5, (BS EN 60228:2005)
Insulation	HFFR (Halogen Free) Compound
Colour Code	DIN 47100 (<u>Only strip code not ring code</u>)
Stranding	In layers of optimum pitch
Wrapping	PES tape
Screen	Tinned copper braiding
Sheath	HFFR (Halogen Free) Compound
Sheath Colour	RAL 7001 Grey; RAL 9005 BLACK; RAL 5015 BLUE

TECHNICAL SPECIFICATION

Temperature Range	-40°C to +70°C (Fixed Installation)
Minimum Bending Radius	7,5 x outer diameter
Flame Propagation	Test on single cable : IEC 60332-1-2 Test on bunched cable: IEC 60332-3-24 (Cat. C)
Smoke Density Test	IEC 61034-2
Test on Corrosiveness of Combustion Gases	IEC 60754-2
Halogen Free Test	IEC 60754-1

ELECTRICAL SPECIFICATION

Conductor cross-section	nom.	mm ²	0,5	0,75	1	1,5	2,5
Conductor resistance	max.	Ω/km	39	26	19,5	13,3	7,98
Insulation resistance test	min.	MΩxkm	20				
Test voltage		V	2000				
Operating Voltage		V	300/500 V				



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CROSS SECTION	OUTER DIA. \pm (%5)	G
mm ²	mm	Kg/Km
2x0,5	5,50	38,61
3x0,5	5,80	47,03
4x0,5	6,30	56,61
5x0,5	6,80	68,09
7x0,5	7,20	82,03
12x0,5	9,40	131,89
18x0,5	11,00	189,95
25x0,5	13,00	250,60
34x0,5	14,60	327,92
2x0,75	5,90	45,91
3x0,75	6,20	57,00
4x0,75	6,70	69,05
5x0,75	7,30	83,97
7x0,75	7,80	103,16
12x0,75	10,30	167,71
18x0,75	12,00	242,81
25x0,75	14,50	330,30
34x0,75	16,20	432,46
2x1	6,30	52,88
3x1	6,60	66,24
4x1	7,10	80,70
5x1	7,70	98,42
7x1	8,50	126,58
12x1	11,10	205,10
18x1	12,80	291,21
25x1	15,40	396,22
34x1	17,30	521,47
2x1,5	6,70	63,98
3x1,5	7,10	82,18
4x1,5	7,70	101,83
5x1,5	8,60	129,18
7x1,5	9,20	161,55
12x1,5	12,10	260
18x1,5	14,20	377
25x1,5	17,10	513
34x1,5	19,20	678
2x2,5	7,70	89,39
3x2,5	8,40	121,89
4x2,5	9,10	151,97
5x2,5	10,00	188,13
7x2,5	10,90	244,41
12x2,5	14,40	402,29
18x2,5	16,90	590,83
25x2,5	20,40	806,42
2x4	9,10	128,12
3x4	9,70	171,24
4x4	10,80	221,69
5x4	11,80	275,07
7x4	12,70	352,80
2x6	11,00	184,75
3x6	11,70	249,12
4x6	12,80	316,30
5x6	14,30	402,92
7x6	15,50	519,81
3x10	14,40	396,29
4x10	15,80	507,22
5x10	17,60	646,30
7x10	19,30	850,90
3x16	16,70	576,34
4x16	18,40	750,88
5x16	20,60	946,12
3x25	18,80	941,00
4x25	23,90	1204,00
5x25	26,60	1482,00
3x35	24,40	1240,00
4x35	27,20	1608,00
5x35	30,30	1981,00
3x50	28,00	1695,26
4x50	31,30	2205,15
5x50	34,80	2720,58
4x70	35,80	2980,25