

## APPLICATION RANGE

In places where electro-magnetic interference and influence exists

- Instrumentation and control engineering
- Industrial electronics
- Computers and office machines
- Indoor communication systems
- Indoor sound systems
- Security systems

## CONSTRUCTION

Conductor:	Stranded electrolytic copper wire Class5, (BS EN 60228:2005)
Insulation:	HF (Halogen-Free) Compound (EN 50363-7)
Colour Code:	DIN 47100 ( <u>Only strip code not ring code</u> )
Stranding:	In layers of optimum pitch
Wrapping:	PES tape
Screen:	AL-PES tape + Tinned copper braiding
Sheath:	HFFR (Halogen-Free) Compound (EN 50363-8)
Sheath Colour:	RAL 9005 Black ; RAL 5015 Blue ; RAL 7001 Grey

## TECHNICAL SPECIFICATION

Temperature Range	-30°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 <sup>2</sup>	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	1200				
Operating Voltage		V	300/500 V				



## LIH(ST)CH

CROSS SECTION	OUTER DIA. $\pm$ (%5)	G
mm <sup>2</sup>	mm	Kg/Km
2x0,5	5,10	32
3x0,5	5,60	43
4x0,5	6,10	52
5x0,5	6,60	63
7x0,5	7,00	77
12x0,5	9,10	122
18x0,5	10,70	179
25x0,5	12,70	237
34x0,5	14,70	328
2x0,75	5,70	42
3x0,75	6,00	52
4x0,75	6,50	65
5x0,75	7,10	79
7x0,75	7,60	98
12x0,75	10,20	162
18x0,75	11,70	231
25x0,75	14,60	330
34x0,75	16,10	425
2x1	6,00	48
3x1	6,40	62
4x1	6,90	75
5x1	7,50	93
7x1	8,10	116
12x1	10,80	195
18x1	12,50	279
25x1	15,50	397
34x1	17,20	514
2x1,5	6,50	59
3x1,5	6,90	77
4x1,5	7,50	96
5x1,5	8,20	119
7x1,5	8,90	153
12x1,5	11,80	253
18x1,5	14,30	387
25x1,5	17,00	519
34x1,5	18,90	677
2x2,5	7,50	83
3x2,5	8,00	112
4x2,5	8,70	141
5x2,5	9,80	181
7x2,5	10,60	234
12x2,5	14,50	403
18x2,5	16,80	584
25x2,5	20,10	789
3x4	9,30	160
4x4	10,40	209
5x4	11,40	261
3x6	11,70	242
4x6	12,60	305
5x6	14,40	404
3x10	14,50	393
4x10	15,80	511
5x10	17,40	636
3x16	17,50	577
4x16	18,20	735
5x16	21,70	952
3x25	21,60	876
4x25	24,00	1139
5x25	26,80	1453
4x35	28,20	1562
5x35	31,90	2055