

## 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

## 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 9005 Black ; RAL 5015 Blue ; RAL 7001 Grey

## 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 <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	2000				
Operating Voltage		V	300/500 V				



## LIHCH-TP

CROSS SECTION	O. DIAMETER ±(%5)	G
mm <sup>2</sup>	mm	Kg/Km
2X2X0,50	7,50	63,55
3X2X0,50	7,90	79,33
4X2X0,50	8,60	96,88
5X2X0,50	9,70	120,30
6X2X0,50	10,50	138,84
8X2X0,50	11,70	173,66
12X2X0,50	14,30	261,05
2X2X0,75	8,10	77,09
3X2X0,75	8,60	98,54
4X2X0,75	9,60	126,44
6X2X0,75	11,40	174,75
8X2X0,75	12,90	221,36
12X2X0,75	15,70	332,73
2X2X1	8,80	90,57
3X2X1	9,30	116,72
4X2X1	10,40	150,33
5X2X1	11,50	180,48
6X2X1	12,40	209,48
8X2X1	14,60	287,67
12X2X1	17,00	399,66
2X2X1,5	9,60	116,26
3X2X1,5	10,20	152,17
4X2X1,5	11,20	190,45
6X2X1,5	13,40	268,53
8X2X1,5	15,70	366,50
12X2X1,5	18,50	523,65
2X2X2,5	12,5	200
3X2X2,5	13,3	281
4X2X2,5	14,7	315
5X2X2,5	16,5	391
6X2X2,5	18,0	461
7X2X2,5	19,1	514
8X2X2,5	19,8	674
10X2X2,5	22,8	723
12X2X2,5	23,3	836
14X2X2,5	24,9	958
16X2X2,5	26,6	1098
18X2X2,5	28,5	1235
20X2X2,5	30,2	1362