

## APPLICATION RANGE

In places where electro-magnetic interference and influence exists

- Instrumentation and control engineering
- Industrial electronics
- In machine production as measurement and control cable
- Production and assembly lines
- Dry, moist and wet places
- In places where low mechanical stresses exist

## CONSTRUCTION

Conductor	Stranded electrolytic copper wire Class5, (BS EN 60228:2005)
Insulation	PVC (Polyvinyl Chloride) Compound (EN 50363-3 T12)
Colour Code	OZ - Black coloured, cores numbered JZ - One green/yellow coloured core and black coloured cores numbered OB / JB - coloured cores acc. to HD 308.1
Stranding	In layers of optimum pitch
Innner Sheath	PVC (Polyvinyl Chloride) Compound
Screen	Tinned copper braiding
Outer Sheath	PVC (Polyvinyl Chloride) Compound (EN 50363-4-1 TM2)
Sheath Colour	RAL 9005 Black ; RAL 5015 Blue ; RAL 7001 Grey

## TECHNICAL SPECIFICATION

Temperature Range	-30°C to +70°C (Fixed)
Minimum Bending Radius	7,5 x outer diameter
Flame Retardant	IEC 60332-1-2

## 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				



## YSLYCY (CY)

CROSS SECTION	OUTER DIA. ±(%5)	G
mm2	mm	Kg/Km
2x0,5	6,20	57,54
3x0,5	6,50	65,18
4x0,5	7,00	75,89
5x0,5	7,50	88,57
7x0,5	8,30	112,78
12x0,5	10,10	165,57
18x0,5	12,10	238,43
25x0,5	14,10	330,00
34x0,5	15,80	420,00
2x0,75	6,60	67,48
3x0,75	6,90	77,27
4x0,75	7,40	90,28
5x0,75	8,40	115,22
7x0,75	8,90	137,52
12x0,75	11,40	210,80
18x0,75	13,10	295,45
25x0,75	15,80	408,91
34x0,75	17,50	524,78
2x1	7,00	77,90
3x1	7,30	88,94
4x1	8,20	112,22
5x1	8,80	132,13
7x1	9,40	160,10
12x1	12,20	246,59
18x1	14,10	355,43
25x1	16,90	490,11
34x1	18,60	639,32
2x1,5	7,40	91,47
3x1,5	8,20	116,17
4x1,5	8,80	137,23
5x1,5	9,50	163,20
7x1,5	10,10	199,46
12x1,5	13,20	319,00
18x1,5	15,30	451,86
25x1,5	18,40	631,55
34x1,5	20,70	840,86
2x2,5	8,80	134,15
3x2,5	9,30	160,55
4x2,5	10,00	191,97
5x2,5	11,10	236,79
7x2,5	12,00	299,46
12x2,5	15,70	472,04
18x2,5	18,20	684,50
25x2,5	22,20	964,74
2x4	10,00	181,84
3x4	10,80	226,24
4x4	11,70	273,58
5x4	12,90	337,18
7x4	14,00	429,71
2x6	12,10	266,25
3x6	12,80	323,80
4x6	14,10	400,34
5x6	15,40	486,42
7x6	17,00	632,66
3x10	15,70	510,50
4x10	17,30	639,79
5x10	19,10	782,59
3x16	18,10	729,26
4x16	20,20	929,31
5x16	22,40	1140,16
3x25	23,00	1143,02
4x25	25,70	1455,10
5x25	28,60	1796,83
3x35	26,00	1519,29
4x35	29,00	1933,12
5x35	32,50	2401,78
3x50	31,20	2169,99
4x50	34,50	2737,56
5x50	38,60	3397,17
4x70	39,40	3686,61

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Stranding	In layers of optimum pitch
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Screen	Tinned copper braiding
Outer Sheath	PVC (Polyvinyl Chloride) Compound (EN 50363-4-1 TM2)
Sheath Colour	Black or Grey

## TECHNICAL SPECIFICATION

Temperature Range	-30°C to +70°C (Fixed ) -5°C to +70°C (Flexed)
Minimum Bending Radius	5 x outer diameter (Fixed) 10 x outer diameter (Flexed)
Flame Retardant	IEC 60332-1-2

## ELECTRICAL SPECIFICATION

Conductor cross-section	nom.	mm <sup>2</sup>	1,5	2,5	6	10	25
Conductor resistance	max.	Ω/km	13,3	7,98	3,3	1,91	0,78
Insulation resistance test	min.	MΩxkm	20				
Test voltage		V	3500				
Operating Voltage		V	600/1000 V				



## YSLCY (0,6/1 kV)

CROSS SECTION	OUTER DIA. ±(%5)	G
mm <sup>2</sup>	mm	Kg/Km
2x0,5	8,40	101,44
3x0,5	8,80	112,71
4x0,5	9,30	127,58
5x0,5	10,20	152,28
7x0,5	10,70	175,57
12x0,5	13,30	264,35
18x0,5	15,30	349,42
25x0,5	18,20	474,23
34x0,5	20,20	604,32
2x0,75	8,80	113,77
3x0,75	9,20	127,32
4x0,75	10,00	150,56
5x0,75	10,70	174,27
7x0,75	11,30	203,31
12x0,75	14,10	309,67
18x0,75	16,50	423,50
25x0,75	19,60	575,19
34x0,75	21,60	725,46
2x1	9,20	126,60
3x1	9,50	139,64
4x1	10,40	167,05
5x1	11,10	193,58
7x1	11,80	229,01
12x1	14,70	350,07
18x1	17,30	483,44
25x1	20,60	658,59
34x1	22,90	846,18
2x1,5	10,20	158,13
3x1,5	10,70	180,02
4x1,5	11,50	209,51
5x1,5	12,50	251,33
7x1,5	13,50	306,76
12x1,5	16,70	463,30
18x1,5	20,00	662,10
25x1,5	23,80	900,89
34x1,5	26,50	1162,40
2x2,5	11,20	199,51
3x2,5	11,80	231,68
4x2,5	13,10	286,09
5x2,5	14,10	337,80
7x2,5	15,00	408,32
12x2,5	19,10	647,93
18x2,5	22,70	917,26
25x2,5	27,10	1253,30
2x4	12,80	268,06
3x4	13,40	312,53
4x4	14,50	371,90
5x4	15,90	452,35
7x4	17,00	555,06
2x6	14,10	338,28
3x6	14,80	400,29
4x6	16,30	489,97
5x6	17,90	598,22
7x6	19,40	751,99
3x10	18,10	622,67
4x10	20,10	781,63
5x10	22,10	947,83
3x16	20,60	860,76
4x16	22,70	1073,66
5x16	25,20	1320,54
3x25	26,00	1348,47
4x25	28,70	1682,89
5x25	31,90	2068,89
3x35	28,80	1723,69
4x35	32,00	2176,08
5x35	35,50	2673,88
3x50	33,50	2378,78
4x50	37,50	3029,09
5x50	41,60	3723,54
3x70	37,80	3140,59
4x70	42,00	3976,53