

APPLICATION RANGE

For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load.

In places where electro-magnetic interference and influence exists

- Instrumentation and control engineering
- Fuel oil pumps
- In machine production as measurement and control cable
- Production and assembly lines
- Dry and humid places
- In places where medium level 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
Inner Sheath	PVC (Polyvinyl Chloride) Compound
Screen	Galvanised steel wire braiding
Outer Sheath	PVC (Polyvinyl Chloride) Compound (EN 50363-4-1 TM2)
Sheath Colour	Transparent

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 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				



SY - YSLYSY - YSLYAY - YSLYQY

CROSS SECTION	OUTER DIA.±(%5)	G
mm2	mm	Kg/Km
2x0,5	6,80	60,90
3x0,5	6,90	66,10
4x0,5	7,40	75,95
5x0,5	8,10	91,91
7x0,5	8,90	116,43
12x0,5	10,90	170,99
18x0,5	12,50	233,87
25x0,5	14,70	310,11
34x0,5	16,50	401,51
2x0,75	7,00	67,99
3x0,75	7,30	77,29
4x0,75	7,80	90,35
5x0,75	9,00	117,16
7x0,75	9,50	139,54
12x0,75	11,80	212,34
18x0,75	13,70	297,31
25x0,75	16,40	405,37
34x0,75	17,90	508,19
2x1	7,40	78,03
3x1	7,70	89,12
4x1	8,80	116,04
5x1	9,20	132,88
7x1	9,80	159,18
12x1	12,60	254,47
18x1	14,50	351,08
25x1	17,30	477,89
34x1	19,20	612,11
2x1.5	7,80	91,70
3x1.5	8,80	119,92
4x1.5	9,40	141,39
5x1.5	9,90	162,10
7x1.5	10,50	198,22
12x1,5	13,80	325,43
18x1,5	15,90	454,95
25x1,5	19,20	627,77
34x1,5	21,30	809,14
2x2,5	9,40	138,11
3x2,5	9,70	159,97
4x2,5	10,40	190,85
5x2,5	11,50	234,76
7x2,5	12,60	303,35
12x2,5	16,30	487,39
18x2,5	18,60	676,12
25x2,5	22,70	944,64
34x2,5	25,40	1229,80
2x4	10,40	180,77
3x4	11,20	224,32
4X4	12,30	277,64
5X4	13,50	339,67
7X4	14,40	425,20
2X6	12,70	270,41
3X6	13,20	321,01
4X6	14,50	396,23
5X6	15,80	481,43
3X10	16,30	511,58
4X10	17,70	632,43
5X10	19,50	772,78
3X16	18,60	724,42
4X16	20,70	921,89
5X16	22,90	1129,79
3X25	23,50	1132,09
4X25	26,20	1440,18
5x25	29,10	1777,38
3X35	26,50	1492,34
4X35	29,70	1911,33
5x35	33,00	2358,85
3X50	31,60	2130,25
4X50	35,10	2704,00
5X50	39,00	3337,44
4X70	41,80	3872,03

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Conductor resistance	max.	Ω/km	39	26	19,5	13,3	7,98
Insulation resistance test	min.	MΩxkm	20				
Test voltage		V	3500				
Operating Voltage		V	600/1000 V				



SY - YSLYSY - YSLYAY - YSLYQY

CROSS SECTION	OUTER DIA.±(%5)	G
mm2	mm	Kg/Km
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3x0,5	9,10	66,10
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7x1.5	13,90	198,22
12x1,5	18,10	325,43
18x1,5	21,00	454,95
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34x1,5	27,90	809,14
2x2,5	12,10	138,11
3x2,5	12,70	159,97
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5x2,5	15,20	234,76
7x2,5	16,40	303,35
12x2,5	21,40	487,39
18x2,5	23,80	676,12
25x2,5	30,20	944,64
34x2,5	33,20	1229,80
2x4	13,20	180,77
3x4	15,10	224,32
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4X25	28,50	1440,18
5x25	31,60	1777,38
3X35	28,70	1492,34
4X35	32,70	1911,33
5x35	36,30	2358,85
3X50	36,50	2130,25
4X50	38,60	2704,00
5X50	42,60	3337,44
4X70	42,70	3872,03