YSLY-JZ, YSLY-OZ control cables, unscreened, PVC/PVC, 300/500V

Flex, PVC insulated, PVC sheathed, unarmored, flame retardant.

YSLY-xZ, 19.02.2024 rev.1

YSLY-xZ, 17.01.2023 rev.0

Temperature range

Storage: -10 to +50 °C

Installation: -5 to +30 °C

Operation (static): -30 to +80 °C, minimun bend 4 x O.D.

Operation (occasional bending): -5 to +70 °C, minimum bend 15 x O.D.

Standard of reference

EN 60811-1-4, VDE 0472 part 804, IEC60332-1-2, EN 50334.

Design

Conductor material: Copper conductor, bare, flexible (acc. to VDE 0295 class 5 and IEC 228 class 5)

Insulation: PVC compound (type TI2 acc. to HD 21.1)

Colour code:

OZ – black cores with imprinted digits, no green and yellow protective conductor

JZ – black cores with imprinted digits, green and yellow protective conductor

Stranding method: cores stranded in layers, with optimum lay lengths

Protective conductor: green and yellow in the outer layer

Outer sheath: PVC compound (type MI2 acc. to HD 21.1), colour RAL7001

Marking: APS Finland – ww/yy – C-FLEX cable type – 300/500V +80°C – VDE 0472 IEC60332-1-2 – P/N – lot# + meter

Environmental properties and Fire Performances

Flame retardant: Test method B according to VDE 0472 part 804 and IEC60332-1-2
European Directive Compliance: EU Directive 2011/65/EU (RoHS 2)

Electrical characteristics

Rated Voltage: 300/500 V
Test voltage: 3000V
Max conductor temperature: +70°C during operation, +150°C in the case of a short circuit
Min. insulation resistance: 20 MΩOhm x km
Breakdown voltage: Min.6000 V

Ordering and delivery information

Cable type	Part number	STK no.	Outer diameter (mm)	Approx. weight (kg/km)	Retail packaging (length)	Drum size (diam. mm)	Drum weight (kg, approx)
YSLY-JZ 3x1,5 D500	CFYSLYJZ0315K5	0424300	6.8	84.85	Drum 500m (+-5%)	360	43.93
YSLY-JZ 3x1,0 D500	CFYSLYJZ0310K5	0424301	6.1	65.28	Drum 500m (+-5%)	350	34.14
YSLY-JZ 5x2,5 D500	CFYSLYJZ0525K5	0424302	10.3	217.15	Drum 500m (+-5%)	480	110.58
YSLY-JZ 4x1,5 D500	CFYSLYJZ0415K5	0424303	7.3	110.42	Drum 500m (+-5%)	380	56.81
YSLY-JZ 3x2,5 D500	CFYSLYJZ0325K5	0424304	8.3	133.18	Drum 500m (+-5%)	400	68.19
YSLY-JZ 7x1,5 D500	CFYSLYJZ0715K5	0424305	9.2	170.23	Drum 500m (+-5%)	430	86.72
YSLY-JZ 5x1,5 D500	CFYSLYJZ0515K5	0424306	8.3	134.67	Drum 500m (+-5%)	400	68.94
YSLY-JZ 5x0,75 D500	CFYSLYJZ05075K5	0424307	7	86.8	Drum 500m (+-5%)	360	45
YSLY-JZ 3x0,75 D500	CFYSLYJZ03075K5	0424308	5.6	53.19	Drum 500m (+-5%)	350	28.1
YSLY-JZ 7x2,5 D500	CFYSLYJZ0725K5	0424309	11.2	270.25	Drum 500m (+-5%)	500	137.33
YSLY-JZ 12x1,5 D500	CFYSLYJZ1215K5	0424310	12	297.72	Drum 500m (+-5%)	550	151.06
YSLY-JZ 4x2,5 D500	CFYSLYJZ0425K5	0424311	9.3	174.03	Drum 500m (+-5%)	480	89.02
YSLY-JZ 12x0,75 D500	CFYSLYJZ12075K5	0424312	10.2	190.54	Drum 500m (+-5%)	480	97.27
YSLY-OZ 2x0,75 D500	CFYSLYOZ02075K5	0424313	5.4	45.1	Drum 500m (+-5%)	350	24.05
YSLY-OZ 4x0,75 D500	CFYSLYOZ04075K5	0424314	6.4	70.86	Drum 500m (+-5%)	350	37.03
YSLY-OZ	CFYSLYOZ0215K5	0424315	6.3	67.02	Drum 500m	350	35.11

2x1,5 D500					(+-5%)		
YSLY-OZ 2x1,0 D500	CFYSLYOZ0210K5	0424316	5.8	54.01	Drum 500m (+-5%)	350	28.51
YSLY-OZ 3x0,75 D500	CFYSLYOZ03075K5	0424317	5.6	53.19	Drum 500m (+-5%)	350	28.1
YSLY-OZ 4x1,0 D500	CFYSLYOZ0410K5	0424318	7	86.42	Drum 500m (+-5%)	400	44.91
YSLY-OZ 2x0,5 D500	CFYSLYOZ0205K5	0424319	4.9	35.53	Drum 500m (+-5%)	300	19.07
YSLY-OZ 4x0,5 D500	CFYSLYOZ0405K5	0424320	5.8	54.18	Drum 500m (+-5%)	350	28.69

Edit

Every effort has been put so that this document is most reliable and free from errors. However, FSM Oy cannot be considered responsible for any mistake in this document and users should consult FSM Oy for any information needed. FSM Oy reserves the right to make changes to the documents at any time, without prior notice.