

CONDORFLEX® YY BK JZ/OZ 300/500V

CPR Class **Eca**

DOP Number **001 2017**



RESISTENTE AI RAGGI UV
UV RESISTANT



RESISTENTE AGLI OLI
OIL RESISTANCE

IMPIEGO APPROPRIATO / APPROPRIATE USE

Impiegato per il trasporto di segnali e comandi.

Le caratteristiche costruttive lo rendono adatto ad essere utilizzato in centrali elettriche, impianti di aria condizionata ed in impianti per controllo di macchine industriali.

Suitable for signal and control systems transmission.

Manufacturing features makes this cable suitable to be used in power plants, air conditioning systems and industrial machines control systems.

	CARATTERISTICHE/ CHARACTERISTICS	DESCRIZIONE/ DESCRIPTION	NORME/ REFERENCE
	Tipo di cavo <i>Type of cable</i>	YSLY BK JZ/OZ	
	Tensione nominale <i>Nominal Voltage</i>	300/500V	
1	Conduttore <i>Core</i>	Flessibile di rame rosso ricotto classe 5 <i>Class 5 flexible annealed red copper</i>	EN 60228
2	Isolamento <i>Insulation</i>	PVC tipo TI2 special <i>PVC TI2 special type</i>	EN 50363
3	Guaina <i>Sheath</i>	PVC tipo TM2 special, colore nero RAL 9005 (resistente agli oli TM54) <i>PVC TM2 special type, black colour RAL 9005 (Oil Resistance TM54)</i>	EN 50363
	Campo di temperatura <i>Temperature range</i>	Movimento occasionale: da -15°C a +70°. Posa mobile: -5°C + 70°C Posa fissa: da -40°C a +80°C <i>Occasional flexing: from -15°C to +70°C. Mobile laying: from -5°C to +70°C Fixed laying: from -40°C to +80°C</i>	
	Temperatura massima di corto circuito <i>Maximum short circuit temperature</i>	150°C	
	Tensione di prova <i>Testing voltage</i>	4000 V AC	
	Raggio minimo di curvatura <i>Minimum banding radius</i>	Posa fissa: 4 x diametro esterno - Posa mobile: 15 x diametro esterno <i>Fixed laying: 4 x external diameter - Mobile laying: 15 x external diameter</i>	
	Imballo <i>Package</i>	Matasse mt.100 in termoretraibile - Bobine <i>100 m thermo-shrinking material coils - Drums</i>	

NORME RIF. GENERALI / GENERAL REFERENCE

EN 50525-2-1, EN 50575:2014 + EN 50575/A1:2016

IDENTIFICAZIONE CONDUTTORI / CORE IDENTIFICATION

Nere numerate bianche (EN 50334). JZ: con Giallo/Verde; OZ: senza Giallo/Verde
Black cores numbered in white (EN 50334). JZ: with Yellow/Green; OZ: no Yellow/Green

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Sezione 0.50 mm ²			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm ²	mm	kg/km	kg/km
2 x 0.50	4.8	35	9.6
3 x 0.50	5.1	42	14.4
4 x 0.50	5.7	54	19.2
5 x 0.50	6.2	63	24.0
7 x 0.50	6.7	81	33.6
10 x 0.50	8.6	116	48.0
12 x 0.50	8.9	131	57.6
14 x 0.50	9.5	153	67.0
18 x 0.50	10.5	188	86.4
21 x 0.50	11.7	221	101.0
25 x 0.50	12.4	261	120.0

Sezione 0.75 mm ²			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm ²	mm	kg/km	kg/km
2 x 0.75	5.4	45	14.4
3 x 0.75	5.7	55	21.6
4 x 0.75	6.2	66	28.8
5 x 0.75	6.7	79	36.0
7 x 0.75	7.3	101	50.0
9 x 0.75	9.4	137	65.0
10 x 0.75	9.6	150	72.0
12 x 0.75	9.9	171	86.0
15 x 0.75	10.9	209	108.0
16 x 0.75	11.1	220	115.2
18 x 0.75	11.7	244	130.0
21 x 0.75	13	286	151.0
25 x 0.75	13.8	337	180.0

Sezione 1 mm ²			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm ²	mm	kg/km	kg/km
2 x 1	5.7	53	19.2
3 x 1	6	65	28.8
4 x 1	6.5	79	38.4
5 x 1	7.1	94	48.0
6 x 1	8	113	58.0
7 x 1	8	126	67.0
8 x 1	9.5	149	77.0
9 x 1	10	164	86.0
10 x 1	10.2	180	96.0
12 x 1	10.5	205	115.0
14 x 1	11.2	238	134.0
16 x 1	11.8	266	153.6
18 x 1	12.7	320	173.0
20 x 1	13.4	330	192.0
25 x 1	14.7	408	240.0

Sezione 1.5 mm ²			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm ²	mm	kg/km	kg/km
2 x 1.5	6.3	68	28.8
3 x 1.5	6.7	84	43.2
4 x 1.5	7.2	104	57.6
5 x 1.5	8.1	128	72.0
6 x 1.5	8.4	157	86.4
7 x 1.5	8.9	166	101.0
8 x 1.5	10.6	210	115.0
9 x 1.5	11.4	221	130.0
10 x 1.5	11.6	243	143.0
11 x 1.5	11.6	258	158.0
12 x 1.5	12	279	173.0
14 x 1.5	12.7	323	202.0
16 x 1.5	13.4	361	230.4
18 x 1.5	14.4	407	259.0
21 x 1.5	15.7	469	302.0
25 x 1.5	16.9	560	360.0

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Sezione 2.5 mm ²			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm ²	mm	kg/km	kg/km
2 x 2.5	7.5	101	48.0
3 x 2.5	8.1	132	72.0
4 x 2.5	8.9	163	96.0
5 x 2.5	10	200	120.0
7 x 2.5	11.1	267	168.0
12 x 2.5	14.8	445	288.0
14 x 2.5	15.8	515	336.0
18 x 2.5	17.8	648	432.0
25 x 2.5	20.8	890	600.0

Sezione 4 mm ²			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm ²	mm	kg/km	kg/km
3 x 4	9.9	201	115.0
4 x 4	10.8	249	154.0
5 x 4	12.1	294	192.0
7 x 4	13.4	407	269.0
11 x 4	17.6	634	422.0
12 x 4	18.1	660	461.0

Sezione 6 mm ²			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm ²	mm	kg/km	kg/km
3 x 6	11.7	289	172.8
4 x 6	13.0	365	230.0
5 x 6	14.5	447	288.0
7 x 6	16	600	403.0

Sezione 10 mm ²			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm ²	mm	kg/km	kg/km
3 x 10	14.6	466	288.0
4 x 10	16.2	590	384.0
5 x 10	18.1	722	480.0
7 x 10	20	968	672.0

Sezione 16 mm ²			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm ²	mm	kg/km	kg/km
4 x 16	18.8	1087	614.0
5 x 16	21.2	1370	768.0
7 x 16	23.4	1779	1075.0

Sezione 25 mm ²			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm ²	mm	kg/km	kg/km
4 x 25	23.5	1582	960.0
5 x 25	26.4	1998	1200.0
7 x 25	29.1	2825	1680.0

Sezione 35 mm ²			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm ²	mm	kg/km	kg/km
3 x 35	25.9	1585	1008.0
4 x 35	26.4	2106	1344.0
5 x 35	29.6	2635	1680.0

Sezione 50 mm ²			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm ²	mm	kg/km	kg/km
3 x 50	30.8	2550	1440.0
4 x 50	34.1	2940	1920.0
5 x 50	38.1	2936	2400.0

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