

# CONDORFLEX® YY JB/OB 300/500V

CPR Class **Eca**

DOP Number **003 2017**



MULTISTANDARD  
CABLES

CONTROL  
CABLES

DATA  
CABLES

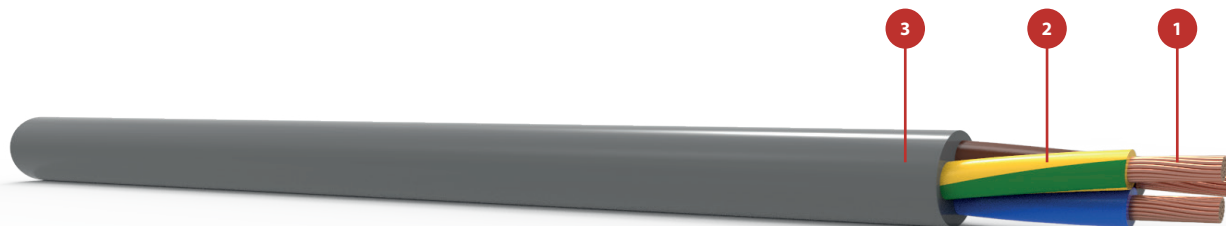
ENERGY  
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SPECIAL  
CABLES

SHIELDED  
CABLES

ARMoured  
CABLES

UTILITIES



RESISTENTE AGLI OLI  
OIL RESISTANCE

## IMPIEGO APPROPRIATO / APPROPRIATE USE

Impiegato per il trasporto di energia e per segnalamento e comando, dentro tubi e canaline protette. Non è ammessa la posa interrata.

Suitable for signalling and control, installed inside proper pipes and protected ducts. Buried laying is not allowed.

	CARATTERISTICHE/ CHARACTERISTICS	DESCRIZIONE/ DESCRIPTION	NORME/ REFERENCE
	Tipo di cavo Type of cable	YSLY JB/OB	
	Tensione nominale Nominal Voltage	U <sub>o</sub> /U 300/500 V	
1	Conduttore Core	Flessibile di rame rosso ricotto classe 5 Class 5 flexible annealed red copper	EN 60228
2	Isolamento Insulation	PVC tipo TI2 special PVC TI2 special type	EN 50363
3	Guaina Sheath	PVC tipo TM2 special, colore grigio RAL 7001 (resistente agli oli TM54) PVC TM2 special type, grey colour RAL 7001 (Oil Resistance TM54)	EN 50363
	Campo di temperatura Temperature range	Movimento occasionale: da -15°C a +70°. Posa mobile: -5°C + 70°C Posa fissa: da -40°C a +80°C Occasional flexing: from -15°C to +70°C. Mobile laying: from -5°C to +70°C Fixed laying: from -40°C to +80°C	
	Temperatura massima di corto circuito Maximum short circuit temperature	150°C	
	Tensione di prova Testing voltage	4000V AC	
	Raggio minimo di curvatura Minimum banding radius	Posa fissa: 4 x diametro esterno - Posa mobile: 10 x diametro esterno Fixed laying: 4 x external diameter - Mobile laying: 10 x external diameter	
	Imballo Package	Matasse mt.100 in termoretraibile - Bobine 100 m thermo-shrinking material coils - Drums	

## NORME RIF. GENERALI / GENERAL REFERENCE

VDE REG F078  
EN 50525-2-51, EN 50575:2014 + EN 50575/A1:2016

## IDENTIFICAZIONE CONDUTTORI / CORE IDENTIFICATION

Colorate (VDE 0293-308)  
Coloured cores (VDE 0293-308)

Sezione 0.50 mm <sup>2</sup>			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm <sup>2</sup>	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 <sup>2</sup>			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm <sup>2</sup>	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 <sup>2</sup>			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm <sup>2</sup>	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 <sup>2</sup>			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm <sup>2</sup>	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 <sup>2</sup>			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm <sup>2</sup>	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 <sup>2</sup>			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm <sup>2</sup>	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 <sup>2</sup>			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm <sup>2</sup>	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 <sup>2</sup>			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm <sup>2</sup>	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 <sup>2</sup>			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm <sup>2</sup>	mm	kg/km	kg/km
4 x 16	18.8	1067	614.4
5 x 16	21.2	1370	768.0
7 x 16	23.4	1779	1075.0

Sezione 25 mm <sup>2</sup>			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm <sup>2</sup>	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 <sup>2</sup>			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm <sup>2</sup>	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 <sup>2</sup>			
Formazione Construction	Diametro esterno indicativo Approximate external diameter	Peso indicativo cavo Approximate cable weight	Peso Rame Copper weight
n x mm <sup>2</sup>	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