

CONDORFLEX® YY JB/OB 300/500V

CPR Class **Eca**

DOP Number **003 2017**



MULTISTANDARD
CABLES

CONTROL
CABLES

DATA
CABLES

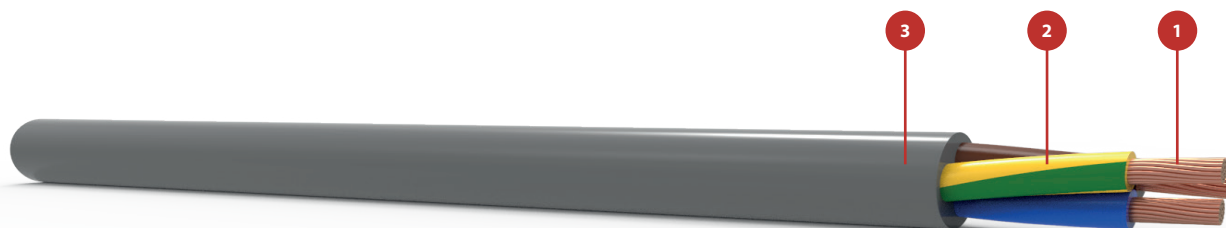
ENERGY
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SHIELDED
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ARMoured
CABLES

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 <i>Type of cable</i>	YSLY JB/OB	
	Tensione nominale <i>Nominal Voltage</i>	U _o /U 300/500 V	
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 grigio RAL 7001 (resistente agli oli TM54) <i>PVC TM2 special type, grey colour RAL 7001 (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>	4000V AC	
	Raggio minimo di curvatura <i>Minimum banding radius</i>	Posa fissa: 4 x diametro esterno - Posa mobile: 10 x diametro esterno <i>Fixed laying: 4 x external diameter - Mobile laying: 10 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

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)

CONDORFLEX® YY JB/OB 300/500V

CROSS-SECTION 0.50 smm			
Construction	Approximate external diameter	Approximate cable weight	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

CROSS-SECTION 0.75 smm			
Construction	Approximate external diameter	Approximate cable weight	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

CROSS-SECTION 1 smm			
Construction	Approximate external diameter	Approximate cable weight	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

CROSS-SECTION 1.5 smm			
Construction	Approximate external diameter	Approximate cable weight	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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CROSS-SECTION 2.5 smm			
Construction	Approximate external diameter	Approximate cable weight	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

CROSS-SECTION 4 smm			
Construction	Approximate external diameter	Approximate cable weight	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

CROSS-SECTION 6 smm			
Construction	Approximate external diameter	Approximate cable weight	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

CROSS-SECTION 10 smm			
Construction	Approximate external diameter	Approximate cable weight	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

CROSS-SECTION 16 smm			
Construction	Approximate external diameter	Approximate cable weight	Copper weight
n x mm ²	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

CROSS-SECTION 25 smm			
Construction	Approximate external diameter	Approximate cable weight	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

CROSS-SECTION 35 smm			
Construction	Approximate external diameter	Approximate cable weight	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

CROSS-SECTION 50 smm			
Construction	Approximate external diameter	Approximate cable weight	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