

# CONDORFLEX® YYSY JB/OB 300/500V

CPR Class **Eca**

DOP Number **003 2020**



MULTISTANDARD CABLES

CONTROL CABLES

DATA CABLES

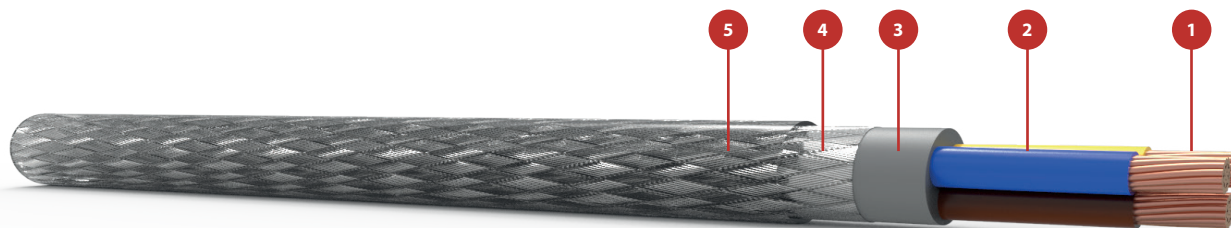
ENERGY CABLES

SPECIAL CABLES

SHIELDED CABLES

ARMOURED CABLES

UTILITIES



SCHERMATO  
NO INTERFERENCE



ARMATO  
ARMOURED

## IMPIEGO APPROPRIATO / APPROPRIATE USE

Questi cavi vengono impiegati per misurazione e controllo in macchine utensili, installazioni industriali e server dati. Lo schermo in acciaio offre la migliore protezione meccanica possibile contro i danni. Il processo di galvanizzazione dello stesso previene la corrosione e aumenta la capacità saldante. *These cables are used as measuring and control cables in tool machinery, plant installation, and data equipment. The screen provides the best possible protection against mechanical damage. The galvanized coating on the steel screen protects against corrosion and improves the soldering performance.*

	CARATTERISTICHE/ CHARACTERISTICS	DESCRIZIONE/ DESCRIPTION	NORME/ REFERENCE
	Tipo di cavo <i>Type of cable</i>	YSLY SY JB/OB	
	Tensione nominale <i>Nominal Voltage</i>	U <sub>o</sub> /U 300/500 V	
1	Conduttore <i>Core</i>	Flessibile di rame rosso nudo classe 5 <i>Class 5 flexible raw red copper</i>	EN 60228
2	Isolamento <i>Insulation</i>	PVC tipo T12 special <i>PVC T12 special type</i>	EN 50363
3	Riempitivo <i>Filler</i>	PVC tipo TM2 special, colore grigio RAL 7001 <i>PVC TM2 special type, grey colour RAL 7001</i>	EN 50363
4	Schermo <i>Screening</i>	Calza di fili in acciaio galvanizzato <i>Galvanized steel wire braid</i>	
5	Guaina <i>Sheath</i>	PVC tipo TM2 special, colore trasparente <i>Transparent PVC TM2 special type</i>	EN 50363
	Campo di temperatura <i>Temperature range</i>	Posa fissa: da -40°C a +80°C, posa mobile: da -5°C a +70°C <i>Fixed laying: from -40°C to +80°C, mobile laying: from -5°C to +70°C</i>	
	Temperatura massima di corto circuito <i>Maximum short circuit temperature</i>	150°C	
	Tensione di prova <i>Testing voltage</i>	Conduttore/conduttore: 4000 V AC Conduttore/schermo: 2000 V AC <i>Conductor/conductor: 4000 V AC Conductor/shield: 2000 V AC</i>	
	Raggio minimo di curvatura <i>Minimum banding radius</i>	Posa fissa: 6 x diametro esterno - Posa mobile: 20 x diametro esterno <i>Fixed laying: 6 x external diameter - Mobile laying: 20 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 0245, VDE 0281, VDE 0293, VDE 0295, EN 50575:2014 + EN 50575/A1:2016

## IDENTIFICAZIONE CONDUTTORI / CORE IDENTIFICATION

Conduttori colorati (VDE 0293-308). JB: con Giallo/Verde; OB: senza Giallo/Verde  
*Coloured cores (VDE 0293-308). JB: with Yellow/Green; OB: no Yellow/Green*

CROSS-SECTION 0.50 smm			
Construction	Approximate external diameter	Approximate cable weight	Copper weight
n x mm <sup>2</sup>	mm	kg/km	kg/km
2 x 0.50	7.4	80	9.6
3 x 0.50	7.7	92	14.4
4 x 0.50	8.1	102	19.2
5 x 0.50	9.0	119	24.0
7 x 0.50	9.5	157	33.6
12 x 0.50	11.9	218	58.0
18 x 0.50	13.7	340	86.0
25 x 0.50	15.8	406	120.0

CROSS-SECTION 0.75 smm			
Construction	Approximate external diameter	Approximate cable weight	Copper weight
n x mm <sup>2</sup>	mm	kg/km	kg/km
2 x 0.75	7.9	98	14.4
3 x 0.75	8.2	103	21.6
4 x 0.75	9.1	122	28.8
5 x 0.75	9.7	142	36.0
7 x 0.75	10.5	185	50.0
12 x 0.75	13.4	292	86.0
18 x 0.75	15.2	388	130.0
25 x 0.75	17.7	503	180.0

CROSS-SECTION 1 smm			
Construction	Approximate external diameter	Approximate cable weight	Copper weight
n x mm <sup>2</sup>	mm	kg/km	kg/km
2 x 1	8.2	112	19.2
3 x 1	9.0	132	28.8
4 x 1	9.5	143	38.4
5 x 1	10.1	166	48.0
7 x 1	10.9	227	67.0
12 x 1	14.0	340	115.0
18 x 1	16.3	500	173.0
25 x 1	18.6	664	240.0

CROSS-SECTION 1.5 smm			
Construction	Approximate external diameter	Approximate cable weight	Copper weight
n x mm <sup>2</sup>	mm	kg/km	kg/km
2 x 1.5	9.2	129	29.0
3 x 1.5	9.6	149	43.0
4 x 1.5	10.4	185	58.0
5 x 1.5	11.1	205	72.0
7 x 1.5	12.2	285	101.0
12 x 1.5	15.4	444	173.0
18 x 1.5	18.0	593	259.0
25 x 1.5	21.0	781	360.0

CROSS-SECTION 2.5 smm			
Construction	Approximate external diameter	Approximate cable weight	Copper weight
n x mm <sup>2</sup>	mm	kg/km	kg/km
2 x 2.5	10.6	185	48.0
3 x 2.5	11.1	248	72.0
4 x 2.5	12.2	290	96.0
5 x 2.5	13.3	347	120.0
7 x 2.5	14.2	420	168.0
12 x 2.5	18.5	660	288.0

CROSS-SECTION 4 smm			
Construction	Approximate external diameter	Approximate cable weight	Copper weight
n x mm <sup>2</sup>	mm	kg/km	kg/km
3 x 4	12.6	350	117.0
4 x 4	13.9	428	154.0
5 x 4	15.2	504	192.0

CROSS-SECTION 6 smm			
Construction	Approximate external diameter	Approximate cable weight	Copper weight
n x mm <sup>2</sup>	mm	kg/km	kg/km
4 x 6	16.4	571	230.0
5 x 6	17.9	671	288.0
7 x 6	19.6	845	403.0

CROSS-SECTION 10 smm			
Construction	Approximate external diameter	Approximate cable weight	Copper weight
n x mm <sup>2</sup>	mm	kg/km	kg/km
4 x 10	19.9	943	384.0
5 x 10	22.0	1065	480.0
7 x 10	24.0	1551	672.0

MULTISTANDARD  
CABLES

CONTROL  
CABLES

DATA  
CABLES

ENERGY  
CABLES

SPECIAL  
CABLES

SHIELDED  
CABLES

ARMOURED  
CABLES

UTILITIES