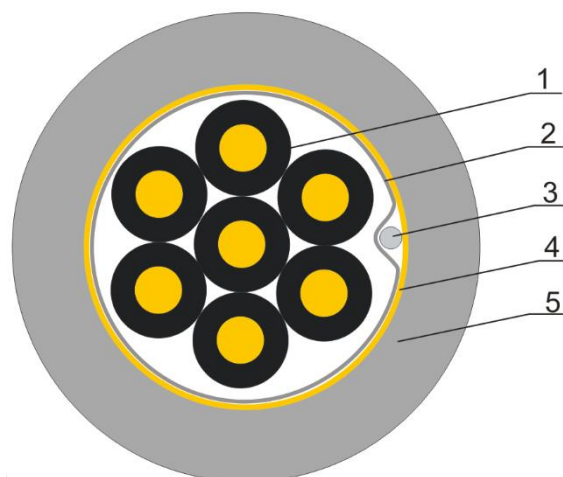


JYTY 250V

TT1-6314v7 16.01.2024



Cable for control and automation systems in power stations



Cable construction:

1. Insulated wires
2. Polyester tape
3. Drain wire
4. AL/PET tape
5. Sheath

CONSTRUCTION

Conductors:	single copper wire with uniform circular cross – section, with homogenous quality and free from defects								
Insulation:	special PVC compound type TI1 - Elongation at break of insulation min. 125%								
Colours of the insulation of conductors:	2 wires	3 wires		4 wires		5 wires		Multiwire (above 5 wires)	
	-O	-J	-O	-J	-O	-J	-O	-J	-O
	blue	y/g	black	y/g	blue	y/g	blue	y/g	all wires marked with numbers
	brown	blue	grey	brown	brown	blue	brown	wires marked with numbers	
		brown	brown	black	black	brown	black		
				grey	grey	black	grey		
					grey	black	numbers		
Pairs arrangement in the cable core:	No of cores	Layers							
		1		2		3		4	
	2	2							
	3	3							
	4	4							
	7	1		6					
	10	2		8					
	14	4		10					
	19	1		5		12			
	30	4		10		16			
	44	2		8		14		20	
	50	4		10		15		21	

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Cable core wrapping:	polyester tape		
Drain wire:	tinned copper wire $\varnothing 0.4$ mm		
Screen:	Al/PET tape		
Sheath:	PVC compound type DMV5 - Elongation at break before ageing min. 125% after ageing min. 100%		
	Number of cores	Nominal thickness of the sheath [mm]	Overall diameter of cable [mm]
	2	1.0	6.5
	3	1.0	6.9
	4	1.0	7.4
	7	1.0	8.7
	10	1.0	10.8
	14	1.2	12.1
	19	1.2	13.4
	30	1.4	16.8
	44	1.8	21.1
	50	1.8	21.8
Colour of sheath:	Grey (RAL 7000)		

ELECTRICAL PARAMETERS

Electrical parameters at 20°C	Unit	Nominal diameter
		1.0 [mm]
Max. wire resistance	Ohm/km	25
Min. insulation resistance	MOhm·km	100
Max. operating voltage	V	250
Voltage test (AC 1 min)	kV	1.0

APPLICATIONS

Standard length cable packing	500 or 1000m on drums. Other forms of packing and delivery are available on request
Cable marking	Cable marking example: JYTY 19x1,0 TF Kable 1 /year of production/ – length marking every 1 m may be marked acc. to customer requirements.

All information contained in this document, including the tables and drawings, are provided for information only and not a commercial offer; nor may it constitute the basis for pursuing any claim against TELE-FONIKA KABLE S.A.

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