

JYTY CPR Eca



Application

Round cables for control and automatization systems in power stations are designed for fixed installation, for indoors and outdoors. For outdoors application only with suitable protection against UV. Installation of the product should only be carried out by personnel trained and qualified for electrical works. The product is designed according to recognized standards. Applicable rules of installation must be applied at all times.

Global data

Type designation	JYTY
Standard	PN DK 2.01
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, Reaction to fire: Eca CPR Declaration of Performance (DoP) code is in the data table below Web page: www.prysmiangroup.com/cpr

Design features

Conductor	Plain copper round, single wire (RE), class 1 with max resistance 25 ohm/km
Insulation	PVC
Core identification	Colours of cores acc. to HD308 S2
Containment tape	PET foil
Screen consists:	
Drain conductor	Tinned copper wire
Metallic tape screen	Laminated AL/PET
Outer sheath	PVC
Outer sheath colour	Grey

Properties

Electrical parameters

Rated voltage	240/240V
Test voltage	2kV
Max. permissible operating voltage AC	300 V
Max. permissible operating voltage DC	450 V

Fire conditions

Self-extinguishing of a single cable	IEC 60332-1-2
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Thermal parameters

Max. permissible temperature at conductor	70 °C
Max. short circuit temperature of the conductor	160 °C
Temperature range for handling	-40 up to +70°C
Min. storage temperature	-40 °C
Min. temperature for laying and manipulation	-5 °C

Mechanical parameters

Min. bending radius	12d (cable diameter)
Maximum retraction force is acc. to formula $P = S \cdot \sigma$	
S - is crosssection of conductor in mm^2	
σ - is allowed tension stress in N/mm^2	
$\sigma = 50N/mm^2$ - for cables with copper conductors	

Environmental aspects

REACH	Yes
RoHS	Yes

Packaging

Coils, Cable drums, Reels

Number of cores x diameter of core	Insulation thickness nom. mm	Outer Sheath Thick- ness nom. mm	Cable diameter-max mm	Weight (approx.) kg/km	CPR fire class	CPR DoP-Code
2x1	0,6	1,0	9,2	56	Eca	1002702
3x1	0,6	1,0	9,8	62	Eca	1002702
4x1	0,6	1,0	10,2	85	Eca	1002702
7x1	0,6	1,0	11,5	128	Eca	1002702
14x1	0,6	1,2	115,5	240	Eca	1002702
19x1	0,6	1,2	17,0	310	Eca	1002702
30x1	0,6	1,4	20,5	476	Eca	1002702