

RHEYCORD®(BS) YSLZ3SOE-J Basket Spreader Cables



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Applications

300/500 V

Special control cable for basket spreader applications, e.g. in Ship to Shore (STS) cranes, Rail Mounted Gantry cranes (RMG) and Rubber Tired Gantry cranes (RTG).

Design

1. Conductor

Extra flexible, plain copper, according to IEC 60228
DIN VDE 0295 class 6

2. Insulation

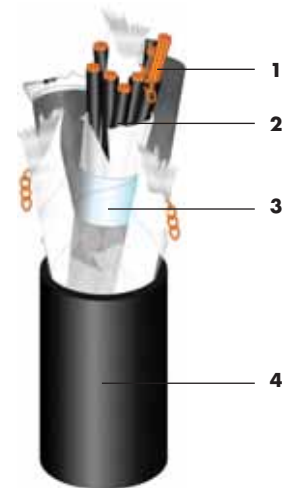
PVC compound T14 refer to
DIN VDE 0281 part 1

3. Core assembling

Bundle stranding with/without
EMC screen and heavy weight
chain unleaded elements

4. Outer sheath

Elastomere compound,
heavy duty abrasion
and notch-resistant
Colour: black



Marking

RHEYCORD(BS) YSLZ3SOE
Number of cores - cross-section
300/500 V - NEXANS - year

Cores Identification

DIN VDE 0293 part 308
black with white printed numbers
+ green/yellow cores.

Standards

Nexans specification

RHEYCORD®(BS) YSLZ3SOE

Cable Characteristics

Mechanical properties

Tensile stress of the conductor	static	15 N/mm ²
	dynamic	30 N/mm ²
Bending radii	according to DIN VDE 298, see construction characteristics page 3.1 E	
Tests	alternating/reversed bending test, torsional resistance test	
Travelling speed	up to 160 m/min	

Chemical properties

Oil resistant.
For indoor and outdoor applications. Moisture, UV and ozone resistance.
Flame-retardant according to IEC 60 332 part 1.

Electrical and Thermal properties

Nominal voltage	U ₀ /U	300/500 V
Maximum operating voltage in AC systems	U _m	550 V
Maximum operating voltage in DC systems	V _m	825 V

Test voltage (according to DIN VDE 0250 part 809)	2.0 kV in AC
Current rating (A)	according to DIN VDE 0298 part 4, see electrical characteristics page 3.2 B

Max. temperature at the conductor:	
- in service	+ 70 °C
- under short-circuit conditions	+ 150 °C
Max. surface temperature:	
- fixed installation	- 35 °C up to + 70 °C
- mobile operation	- 25 °C up to + 60 °C



Flexible



lead free



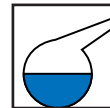
Good



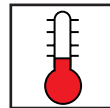
Good



Good



Oil resistant



-25 + 60 °C

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	Number of cores and nominal cross-section (mm ²)	Outer diameter		Weight approx. (kg/km)
		Min. (mm)	Max. (mm)	
CONTROL	48 x 1	32	35	2,100
	30 x 2.5	32	35	2,200
	36 x 2.5*	35	38	2,600
	44 x 2.5*	37	40	3,250
	20 x 3.5	30	33	1,850
	24 x 3.5*	32	35	2,350
	30 x 3.5*	35	38	2,800
	36 x 3.5*	39	42	3,700
	42 x 3.5*	43	46	4,700
CONTROL WITH OPTICAL FIBER ELEMENT	32 x 3.5 + OFE*	39	42	3,550
CONTROL WITH CONCENTRIC SCREEN	48 x 1	38	41	2,400
	30 x 2.5	38	41	2,550
	36 x 2.5*	41	44	2,950
	42 x 2.5	43	46	3,700
	20 x 3.5	36	39	2,100
	24 x 3.5	38	41	2,600
	30 x 3.5	41	44	3,150
	36 x 3.5	45	48	4,150
	42 x 3.5	49	52	5,250

*Stocked products

Options

- Further numbers of cores upon request
- Integrated Optical Fiber Elements