

RALOS RB4G16+4X1.5SCR Screened Rubber Cable

Application

Designed for heavy duty flexible cord applications where an electric screen is required. Suitable for motor mains cable including small submersible pumps.

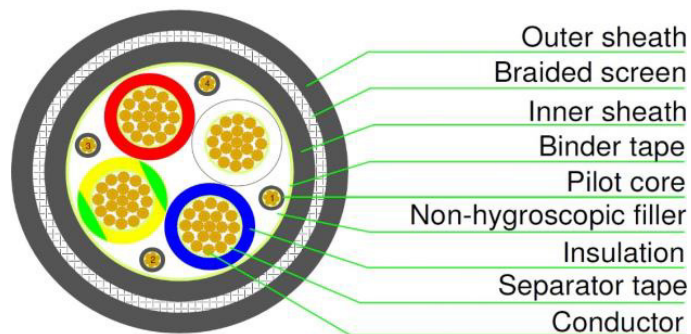
****AD8 permanent submersion to 500m depth**

Rated Voltage(V)	0.6/1kV
Rated Temperature(°C)	-25 ~ 90°C
Reference specification	AS/NZS 5000.1, AS/NZS 1125 AS/NZS 3808, AS/NZS 1660 IEC 60332-1-2

Cable Construction

	Power (including earth) cores	Pilot cores
No. of Cores	4	4
Conductor		
Material	Tinned annealed copper wire	
Class of Conductor	Class 5	
Conductor type	Stranded circular conductor	
Cross-Sectional Area(mm ²)	16	1.5
Approx. Conductor Dia.(mm)	5.5	1.57
Separator tape		
Material	Non-hygroscopic tape	
	100% wrapping over the conductor	
Insulation		
Material	EPR	
Nom. Thickness(mm)	1.0	1.0
Approx. Dia. over insulation(mm)	8.0	3.7
Cable assembly		
	All the power cores and pilot cores are assembled together	
Filler		
Material	Non-hygroscopic PP yarn	
	Suitable filler may be applied between the cores to form a circular cross-section	
Binder tape		
Material	Non-hygroscopic tape	
	100% wrapping over the cable assembly, maybe embedded in EPR sheath	
Inner sheath		
Material	EPR	
Nom. Thickness(mm)	1.0	
Approx. Dia. over bedding(mm)	22.4	
Braided screen		
Material	Tinned annealed copper wire	
Min. braided coverage(%)	80%	
Approx. Dia. over braid(mm)	23.2	
Outer sheath		
Material	CPE	
Nom. Thickness(mm)	1.8	
Min. Thickness(mm)	1.24	
Approx. Dia. of cable(mm)	28.1	
O.D. tolerance(%)	± 8	
Approx. weight of cable(kg/km)	1195.0	

Part Number: RB4G16+4X1.5SCR



Specification

SCREENED NEOPRENE CABLE : 4G x 16 + 4Pt 1.5 mm² TC/EPR/EPR/TCWB/CPE FLEXIBLE CABLE

Color

Insulation	Power (including earth) cores	Red, White, Blue, Green/yellow
	Pilot cores	Black with white numbering(1~4)
Inner sheath		Black
Outer sheath		Black

Performance

Electrical characteristics	Power (including earth) cores	Pilot cores
1. Max. D.C. resistance at 20°C(Ω/km)	1.24	13.7
2. Max. A.C. resistance at 90°C(Ω/km)	1.58	17.5
3. Min. Insulation Resistance at 20°C(MΩ•km)		100
4. Spark test A.C. voltage value(kV)	6	6
5. A.C. high voltage test for 5min(kV)		3.5
6. Current carrying capacities(A)		
a) in air		81
b) direct buried		110
c) buried in duct		79
*Ambient temperature: 40°C; Ground temperature: 25°C Burying depth: 0.5 m; Soil resistivity: 1.2°C•m/w		
7. Max. conductor temperature of 5s Short-circuit(°C)		250
8. Max. 1s Short-circuit rating(kA)		2.2880
9. Reactance at 50Hz(Ω/km)		0.0887
Physical characteristics		
1. Min. bending radius(mm)		
a) during installation		281
b) after installation		225
2. Max. pulling tension for conductor(kN)		4.900
3. Construction test		AS/NZS 5000.1
4. Flame retardant test		IEC 60332-1-2

NOTE: The information contained in this data sheet is subject to normal manufacturing tolerance, specifications are subject to change without notice.

Certificate of Compliance

DKSH Australia Pty. Ltd.

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Type of cable TC/EPR/EPR/TCWB/CPE NEOPRENE CABLE
Size of cable 4 C x 16 mm² + 4Pt 1.5 mm²
Rated voltage 0.6/1 kV

We confirm that the above mentioned cable was produced according to the specified standards for those tests conducted.

i) AS/NZS 5000.1

ii) AS/NZS 1125 Class 5

Note: This verification is a part of the full test report and should be read in conjunction with it.

Approved by:

