

## RALOS RB4G70+4X2.5SCR 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.

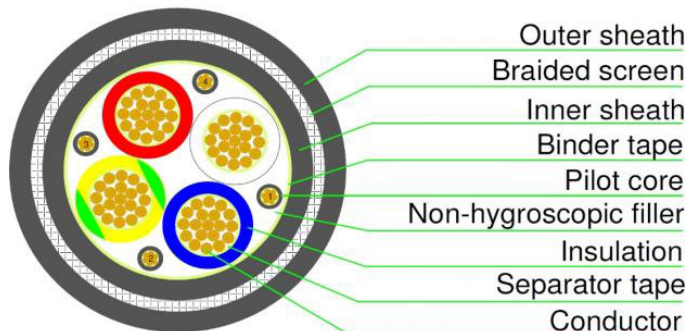
**\*\*AD8 permanent submersion to 500m depth**

Rated Voltage(V)	0.6/1kV
Rated Temperature(°C)	-25 ~ 90°C
<b>Reference specification</b>	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
<b>No. of Cores</b>	4	4
<b>Conductor</b>		
Material	Tinned annealed copper wire	
Class of Conductor	Class 5	
Conductor type	Stranded circular conductor	
Cross-Sectional Area(mm <sup>2</sup> )	70	2.5
Approx. Conductor Dia.(mm)	11.4	2.04
<b>Separator tape</b>		
Material	Non-hygroscopic tape	
	100% wrapping over the conductor	
<b>Insulation</b>		
Material	EPR	
Nom. Thickness(mm)	1.4	1.0
Approx. Dia. over insulation(mm)	14.7	4.2
<b>Cable assembly</b>	All the power cores and pilot cores are assembled together	
<b>Filler</b>		
Material	Non-hygroscopic PP yarn	
	Suitable filler may be applied between the cores to form a circular cross-section	
<b>Binder tape</b>		
Material	Non-hygroscopic tape	
	100% wrapping over the cable assembly, maybe embedded in EPR sheath	
<b>Inner sheath</b>		
Material	EPR	
Nom. Thickness(mm)	1.2	
Approx. Dia. over bedding(mm)	39.0	
<b>Braided screen</b>		
Material	Tinned annealed copper wire	
Min. braided coverage(%)	80%	
Approx. Dia. over braid(mm)	40.2	
<b>Outer sheath</b>		
Material	CPE	
Nom. Thickness(mm)	2.1	
Min. Thickness(mm)	1.48	
Approx. Dia. of cable(mm)	45.8	
<b>O.D. tolerance(%)</b>	± 8	
Approx. weight of cable(kg/km)	3915.0	

### Part Number: RB4G70+4X2.5SCR



### Specification

**SCREENED NEOPRENE CABLE : 4G x 70 + 4Pt 2.5 mm<sup>2</sup> 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)	0.277	8.21
2. Max. A.C. resistance at 90°C(Ω/km)	0.353	10.5
3. Min. Insulation Resistance at 20°C(MΩ•km)		100
4. Spark test A.C. voltage value(kV)	10	6
5. A.C. high voltage test for 5min(kV)		3.5
6. Current carrying capacities(A)		
a) in air		214
b) direct buried		251
c) buried in duct		193
*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)	10.0100	
9. Reactance at 50Hz(Ω/km)	0.0800	
<b>Physical characteristics</b>		
1. Min. bending radius(mm)		
a) during installation		458
b) after installation		366
2. Max. pulling tension for conductor(kN)	20.300	
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 70 mm<sup>2</sup> + 4Pt 2.5 mm<sup>2</sup>  
**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:

