

## Cable Specification Sheet

TITLE SAAB Cable A V0.3

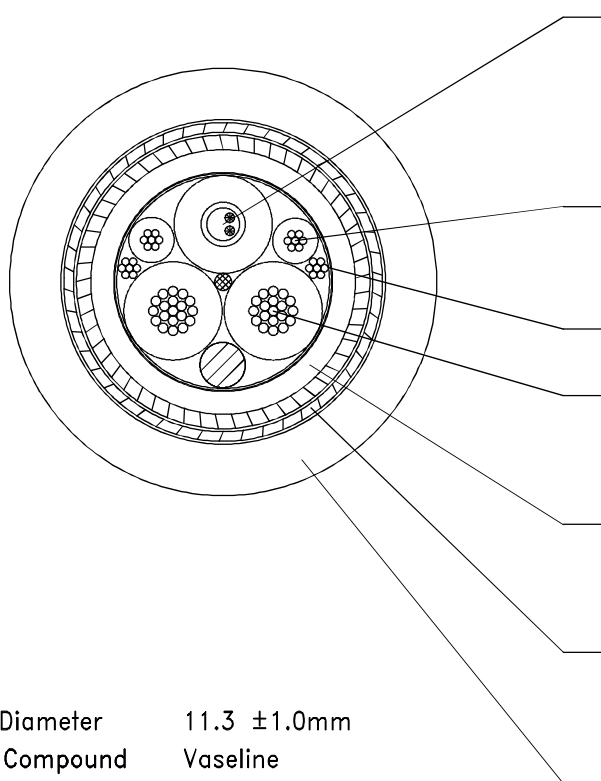
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Values are corrected for the overlength of the elements.



1 x Loose Tube Fibre Optic to Ø2.6mm

Fibre Count 2 Fibres Per Tube

Fibre Type 9/125/250um Single Mode

Tube Type SS304, OD Ø1.17mm, ID Ø0.91mm

Jacket LLDPE

2 x Power Conductor to Ø1.2mm

Conductor 0.22mm<sup>2</sup> [AWG 24] Green6 [7/0.2]

Insulation FEP

Tape Shield Ali-Polyester & Drain Wires

2 x Power Conductor to Ø2.6mm

Conductor 1.0mm<sup>2</sup> [AWG 18] PC [19/0.26]

Insulation ETFE

Bedding Sheath to Ø7.0mm

Material LLDPE

Thickness 0.6mm Nom. Radial

Strength Member Aramid Serving

Separator Non Woven-Tape

Construction Torque Balanced Serving

Outer Sheath

Material TPE

Thickness 1.3mm Nom. Radial

Cable Diameter 11.3 ±1.0mm

Filling Compound Vaseline

### Optical Properties :

Component	Mode	Dispersion 1310/1550 ps/nm.km	Attenuation 1310/1550 dB/km
9/125/250	single	2.5/21.6	0.5/0.4

### Mechanical Properties :

Breaking strength	Bending radius	Specific Density	Weight calculated	
minimum	dynamic	calculated	air	seawater
kN	mm	SG	kg/km	kg/km
25	300	1.425	143	40

### Electrical Properties :

Components	Rcond	Rinsul 500V DC	Voltage Rating U <sub>0</sub> /U	High Volt DC Test V <sub>0</sub> /V
	Ohm/km	Mohm.km	kV	kV
PC 1.0mm <sup>2</sup>	19.2	> 500	1.3/2.6	4.5/4.5
Gn6 0.22mm <sup>2</sup>	114.0	> 500	0.1/0.1	1.5/1.5

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