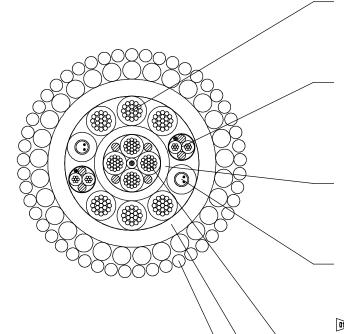
Cable Specification Sheet

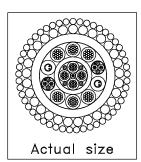
TITLE ARMOURED ELECTRO-MECHANICAL CABLE

Art. No. 018 A 107 Rev. 1 Date 26-08-2011 RFQ 201108-10536 Values are corrected for the overlength of the elements.



Cable Diameter 28.4 ± 0.6mm
Filling Compound DPR

Seawater Density 1026kg/m3



Optical Properties :

Component	Mode	Dispersion 1300/1550	Attenuation 1300/1550
		ps/nm.km	dB/km
9.5/125/250	single	2.5/21.6	0.4/0.3

Mechanical Properties :

Breaking	Bending	Specific	Weight	
strength	radius	Density	calculated	
minimum	dynamic	calculated	air	seawater
kN	mm	SG	kg/km	kg/km
330	430		2480	1830

6 x Power Conductor to Ø3.65mm

Conductor 4.0mm2 [AWG 12] PC [19/0.52]

Insulation XLPE

2 x Twisted Shielded Pair to Ø3.3mm

Conductor 0.5mm2 [AWG 20] PC [7/0.31]

Insulation HDPE to Ø1.6mm

Shield Ali-Polyester Tape & DW 0.14mm2

Inner Sheath to Ø9.3mm

Material PE

Thickness 1.0mm Nom. Radial

2 Way Loose Tube Fibre Optic to Ø3.65mm

Fibre Count 2 Fibre Per Tube

Fibre Type 9.5/125/250um Single Mode

Tube Type SS304, OD Ø1.8mm, ID Ø1.5mm

Jacket PE

4 x Power Conductor to \$2.9mm

Conductor 2.5mm2 [AWG 14] PC [19/0.41]

Insulation XLPE

Bedding Sheath to \$20.8mm

Material PUR

Thickness 2.0mm Nom. Radial

Strength Member Galvanised Steel Armour

Layer 1 29 Wires Ø2.25mm
Layer 2 49 Wires Ø1.55mm
Construction Torque Balanced
Coating WRO—EP Fluid Film

Electrical Properties:

	Components	Roond	Rinsul	Voltage	High Volt
	·		500V DC		DC Test
				Uo/U	Vo/V
		0hm/km	Mohm.km	kΫ	kΫ
	PC 2.5mm2	8.0	> 500	0.3/0.5	3.0/5.0
	PC 0.5mm2	41.0	> 500	0.1/0.1	/
01>	PC 4.0mm2	5.0	> 500	0.6/1.0	4.0/8.0

Drawn by: Y. Wagter Approved by: P. Brussee Scale N.T.S.

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