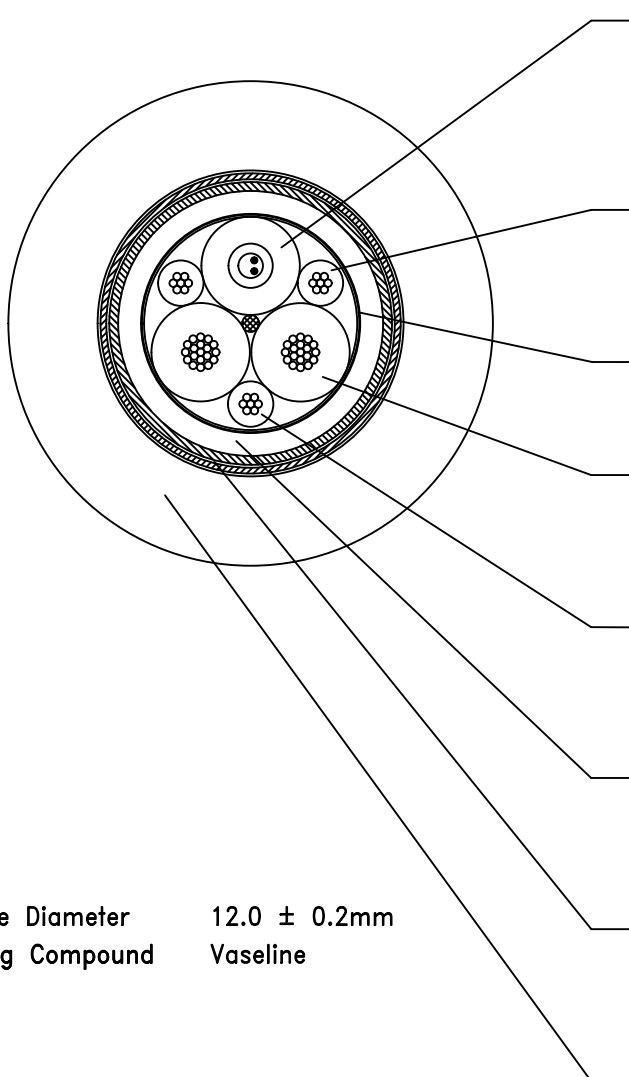


Cable Specification Sheet

TITLE ELECTRO OPTICAL TETHER

Art. No. 006A235 Rev. 0A- Date 09/03/2015 RFQ 201501-13457

Values are corrected for the overlength of the elements.



Loose Tube Fibre Optic to $\varnothing 2.6\text{mm}$
 Fibre Count 2 Fibre Per Tube
 Fibre Type 9.5/125/250um Single Mode
 Tube Type SS304, OD $\varnothing 1.17\text{mm}$, ID $\varnothing 0.91\text{mm}$

2 x Single Core, $\varnothing 1.2\text{mm}$
 Conductor 0.14mm² CuMg Alloy [7/0.16]
 Insulation PP

Tape Shield AluPol Tape
 Conductor Covered by Polyester+Non-Woven Tape

2 x Power Conductor, $\varnothing 2.6\text{mm}$
 Conductor 1.0mm² PC [19/0.26]
 Insulation PP

1 x Drain Wire, $\varnothing 1.0\text{mm}$
 Conductor 0.22mm² CuMg Alloy [7/0.2]
 Insulation SCPE

Bedding Sheath to $\varnothing 7.0\text{mm}$
 Material LLDPE
 Thickness 0.6mm Nom. Radial

Strength Member Aramid Serving
 Separator None Woven-Tape
 Construction Two Layer Torque Balanced Serving

Outer Sheath
 Material PE FOAM
 Thickness 1.9mm Nom. Radial

Cable Diameter $12.0 \pm 0.2\text{mm}$
 Filling Compound Vaseline

Optical Properties :

Component	Mode	Dispersion 1300/1550 ps/nm.km	Attenuation 1300/1550 dB/km
9.5/125/250	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
12.5	300	<1.000	111	-5.0

Electrical Properties :

Components	Rcond	Rinsul 500V DC	Voltage Rating U ₀ /U	High Volt DC Test V ₀ /V
	Ohm/km	Mohm.km	kV	kV
PC 1.0mm ²	19.0	> 500	1.3/2.6	4.5/4.5
CuMg 0.14mm ²	178	> 500	0.1/0.1	-/-

Drawn by:

Mohsen Kavian

Approved by:

Phil Roscoe

Scale N.T.S.