



Low Smoke Zero Halogen Mud Oil Resistant OS2 Single Mode Optical Cable Suitable for Marine Applications

Document Information

Drawing Number	CSWL200211B-V1
Date	11/02/2020
Design	ADMIRAL OS2 TB GSWB NEK606
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Cable Construction

- Tight Buffered 9/125 µm Single Mode OS2 Fibres**
- Multiple Fibres surrounded by Glass Yarn Strength Members**
- Extruded LSZH Inner Sheath**
(Low Smoke Zero Halogen to BS 7655 LTS1-4, IEC 60092 SHF1, EN 50363 TM7)
- Galvanised Steel Wire Braid**
(In accordance with BS EN 10257-1)
- Polyester (Melinex®/Mylar®) Separation Tape**
Prevents bonding of adjacent materials to assist installation
- Extruded XL-LSZH-MOR Outer Sheath**
(Mud/Oil Resistant Crosslinked Low Smoke Zero Halogen to NEK606 and IEC60092 SHF2)



Colours & Identification

Fibre Identification	<ol style="list-style-type: none"> Blue Orange Green Brown Grey White Red Black Yellow Violet Rose Aqua 	Inner Sheath Colour Black
		Outer Sheath Colour Black
		Other colour options are available on request.

Properties & Standards

Standards	
IEC / EN 60793-2-50 Category B.1.3 ITU-T G.652.D	
Fibre Properties	
Tight Buffered Fibres	9/125 µm Single Mode OS2
Fire Performance	
Flame Retardance	IEC 60332-1-2
Flame Retardance	IEC 60332-3-22 (Cat A)
Halogen Gas Content	IEC 60754-1
Gas Acidity	IEC 60754-2
Smoke Emission	IEC 61034
Properties and Standards may be indicative prior to manufacture and testing.	

Nominal Dimensions

Tight Buffered Fibres	900		µm	
Fibre Count	Bedding Ø (mm)	Braid Wire Ø (mm)	Sheath Ø (mm)	Weight (Kg/Km)
4	6.5	0.2	10.15	118
8	7	0.2	10.65	134
12	7	0.2	10.65	148
24	8.5	0.2	12.15	195

Dimensions are theoretical nominals calculated prior to manufacture.

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Product Codes

Fibre Count	Product Code
4	CSWL-ADML-OS2-NEK606-4C
8	CSWL-ADML-OS2-NEK606-8C
12	CSWL-ADML-OS2-NEK606-12C
24	CSWL-ADML-OS2-NEK606-24C

Dimensions are theoretical nominals calculated prior to manufacture.

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