



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

Document Information

Drawing Number	CSWL200211A-V1
Date	11/02/2020
Design	ADMIRAL OS2 TB GSWB SHF1
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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 LSZH Outer Sheath**
(Low Smoke Zero Halogen to BS 7655 LTS1-4, IEC 60092 SHF1, EN 50363 TM7)



Colours & Identification

Fibre Identification		Inner Sheath Colour
1. Blue	7. Red	Black
2. Orange	8. Black	Outer Sheath Colour
3. Green	9. Yellow	
4. Brown	10. Violet	Other colour options are available on request.
5. Grey	11. Rose	
6. White	12. Aqua	

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-SHF1-4C
8	CSWL-ADML-OS2-SHF1-8C
12	CSWL-ADML-OS2-SHF1-12C
24	CSWL-ADML-OS2-SHF1-24C

Dimensions are theoretical nominals calculated prior to manufacture.

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