



## Low Smoke Zero Halogen OM2 Tight Buffered Optical Cable Suitable for Marine Applications

### Document Information

<b>Drawing Number</b>	CSWL191001A-V1
<b>Date</b>	01/10/2019
<b>Design</b>	ADMIRAL OM2 TB GSWB SHF1

### Cable Construction

**Tight Buffered 50/125 µm Multi Mode OM2 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

(IEC 60304 Colour Coding)

- |           |            |
|-----------|------------|
| 1. Blue   | 7. Red     |
| 2. Orange | 8. Black   |
| 3. Green  | 9. Yellow  |
| 4. Brown  | 10. Violet |
| 5. Grey   | 11. Rose   |
| 6. White  | 12. Aqua   |

#### Inner Sheath Colour

Black

#### Outer Sheath Colour

Black

Other colour options are available on request.

### Properties & Standards

#### Standards

ISO 11801-1  
EN 187 000  
IEC 60794-2  
EN 50173-1  
IEC 60794-2-20

#### Fibre Properties

Tight Buffered Fibres 50/125 µm  
Multi Mode OM2

#### Fire Performance

Flame Retardance IEC 60332-1-2  
Flame Retardance IEC 60332-3-24 (Cat C)  
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)
4	6.5	0.2	10.15
8	7	0.2	10.65
12	7.5	0.2	11.15
16	8	0.2	11.65
24	8.5	0.2	12.15

Dimensions are theoretical nominals calculated prior to manufacture.