ADMIRAL MARINE CABLE SOLUTIONS

CABLE SOLUTIONS WORLDWIDE LTD

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

Document **Information**

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

Cable **Construction**

Tight Buffered 50/125 µm Multi Mode OM2 Fibres

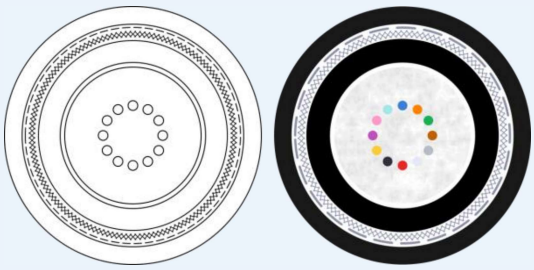
Multiple Fibres surrounded by Glass Yarn Strength Members

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
2. Orange
3. Green
4. Brown
5. Grey
6. White
7. Red
8. Black
9. Yellow
10. Violet
11. Rose
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.

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