



Mud/Oil Resistant Low Smoke Zero Halogen OM2 Tight Buffered Optical Cable Suitable for Marine Applications

Document Information

Drawing Number	CSWL191001B-V1
Date	01/10/2019
Design	ADMIRAL OM2 TB GSWB NEK606

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 XL-LSZH-MOR Outer Sheath

(Mud/Oil Resistant Crosslinked Low Smoke Zero Halogen to NEK606 and IEC60092 SHF2)



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.