



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

Document Information

Drawing Number	CSWL191001B-V1
Date	16/02/2022
Design	ADMIRAL OM2 TB GSWB NEK606
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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

Temperature

Operating Temperature Range -25°C to 60°C

Physical

Minimum Bend Radius 8 x OD

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)	Weight (Kg/Km)
4	6.5	0.2	10.15	118
8	7	0.2	10.65	134
12	7.5	0.2	11.15	151
16	8	0.2	11.65	168.5
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-OM2-NEK606-4C
8	CSWL-ADML-OM2-NEK606-8C
12	CSWL-ADML-OM2-NEK606-12C
16	CSWL-ADML-OM2-NEK606-16C
24	CSWL-ADML-OM2-NEK606-24C

Dimensions are theoretical nominals calculated prior to manufacture.

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