



Steel Wire Braid Armour Protected Mud Oil Resistant 22AWG Profibus DP Communications Cable Suitable for Marine Applications





For illustrative purposes only. Not to scale. Stranding & proportion may vary.

Document Information

 Drawing Number
 CSWL200612B-V1

 Date
 12/06/2020

 Design
 PROFIBUS DP

 IEC 61158-2

Cable Construction

22 AWG Stranded Tinned Annealed Copper Conductor (19/0.15)

Extruded PE Insulation

(Polyethylene)

2 Cores Laid Up within Extruded PE Bedding

(Polyvinyl Chloride fully filled to interstices)

Screened with Aluminium/Polyester tape laid conductive side out and in contact with Tinned Annealed Copper Wire Braid Screen

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)

Extruded XL-LSZH-MOR Outer Sheath

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

Properties & Standards

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	ectr	

Operating Voltage 300 V Test Voltage 1500 Conductor Resistance (Loop) 110 Ω/km Screen Resistance Q/km 12.0 Mutual Capacitance nF/km 28.5 0.90 mH/km Inductance Unbalance to earth 1.5 nF/km Impedance (3 MHz) 150 ± 15 Ω

Properties and Standards may be indicative prior to manufacture and testing.

Nominal **Dimensions**

Conductor Gauge	22	AWG
Conductor Stranding	19/0.15	mm
Diameter over Insulation	2.55	mm
Diameter over Inner Sheath	8.00	mm
Diameter over Steel Wire Armour	9.74	mm
Diameter over Outer Sheath	12.54	mm

Dimensions are theoretical nominals calculated prior to manufacture.

Colours & Identification

Core IdentificationInner Sheath Colour1 x Red CoreBlack1 x Green Core

Outer Sheath Colour

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Bedding Colour Natural/White CABLE SOLUTIONS
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