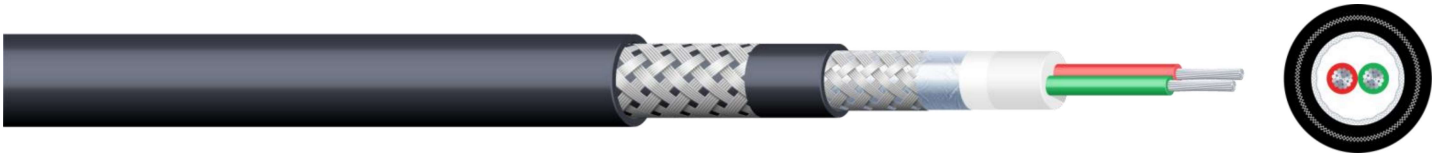
Steel Wire Braid Armour Protected Mud Oil Resistant 22AWG Profibus DP Communications Cable Suitable for Marine Applications



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

Document **Information**

Drawing Number	CSWL200612B-V1
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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)

Colours & **Identification**

Core Identification
1 x Red Core
1 x Green Core

Bedding Colour
Natural/White

Inner Sheath Colour
Black

Outer Sheath Colour
Black

Properties & **Standards**

Electrical		
Operating Voltage	300	V
Test Voltage	1500	V
Conductor Resistance (Loop)	110	Ω/km
Screen Resistance	12.0	Ω/km
Mutual Capacitance	28.5	nF/km
Inductance	0.90	mH/km
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.

Cable Solutions Worldwide Ltd.
Burghmuir Circle, Blackhall Industrial Estate
Inverurie, Aberdeenshire, AB51 4FS, Scotland, UK

Tel +44 (0) 1467 633790
Email sales@1st4cables.com
Web cable-solutions-worldwide.com