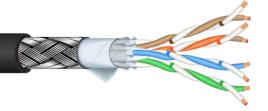
DATA CABLE

LAN₇

S/FTP LSZH 4x2xAWG23/1 Cat.7 (up to 600 MHz)



Approved by:



APPLICATIONS

- Indoor/Outdoor installation in Off-shore, Oil & Gas and Marine applications
- Data transmission and telecommunication systems
- Structured cabling for Ethernet networks.

OPERATING TEMPERATURE

- -20°C / +70°C (operating) -20°C / +70°C (storage) -10°C / +60°C (installation)
- MINIMUM BENDING RADIUS

10 times the outer diameter (static)

CABLE CONSTRUCTION

Conductors

Plain annealed copper wire, AWG23/1

Insulation

Foam Polyolefin

Twisting/Individual screen

The insulated cores shall be twisted in pairs and wrapped with Al/Pet tape.

Cabling

The pairs are cabled together

Overall screen

Tinned copper braid.

Outer sheath

LSZH thermoplastic material (SHF1 - SHF2 - SHF2 MUD resistant compound(11))

Nom. Outer diameter

9.00 mm

PAIRS COLOUR CODE

1st pair: • 2nd pair: • 3rd pair: • 4th pair: •

APPLICABLE STANDARDS

Standard reference

IEC 61156-5; EN 50288-5-1; EN 50289-4-16; ISO/IEC 11801; NEK 606

Flame retardant

IEC 60332-1-2

Fire retardant

IEC 60332-3-22

Acid gas emission:

BS EN 60754-1, BS EN 60754-2

Smoke density

BS EN 61034-2

ELECTRICAL CHARACTERISTICS

Max DC conductor resistance

73 Ω/km

Max operating voltage

125 Vac

Min insulation resistance

5000 MΩ x km

Capacitance @800 Hz

43 pF/m

Characteristic Impedance

 $100\;\Omega$

Velocity of propagation

>70%

Loop resistance

146 Ω/km

Туре	N° Pairs	Insulation Diameter (mm)	Outer Diameter (mm)	Weight (kg/km)
CAT. 7 S/FTP LAN -SHF1	4	1.35	9.0	90
CAT. 7 S/FTP LAN -SHF2	4	1.35	9.0	90
CAT. 7 S/FTP LAN -SHF2 MUD	4	1.35	9.0	90

approximate values





⁽¹⁾ Tested for: Oil based drilling fluid , Calcio Bromide Brine, IRM 902 and IRM 903 oils