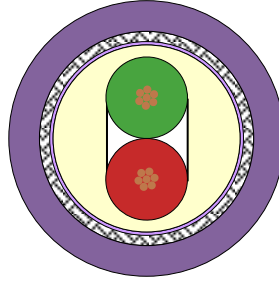


SeaLine

Profibus (MUD RES)

Cable type: 02YSH(ST)CH 1X2X0.75/2.55-150 LI VT



Design

Wire

Stranded bare copper wire 7 X 0.25 (22 AWG) (0.34mm²)
 Insulation of foamed Polyethylene (PE) with skin

∅ 0.76 mm (0,030 in dia)
 ∅ 2.55 mm (0,100 in dia)

Core

2 wires, RD and GN twisted
 Plastic tape, overlapped
 Inner-Jacket Thermoplastic copolymer (FRNC)
 Alulaminat foil overlapped, applied longitudinally
 Shield braiding of tinned copper wires 0.15 mm dia (35 AWG)
 Coverage about 85%
 Plastic tape overlapped

∅ 5.5 mm (0,217 in dia)
 ∅ 6.3 mm (0.248 in dia)

Jacket

Special thermoplastic copolymer (FRNC) VT

∅ (8.0 ± 0.4) mm (0.315 ± 0.016 in dia)

Printing: "sequential length in metres" * BizLink **SeaLine** SCG Profibus * L45467-G17-C106 * 02YSH(ST)CH
 1X2X0.75/2.55-150 LI MUD RES * "internal lot number"

Electrical data at 20°C

Loop resistance		≤	110	Ohm/km
Insulation resistance		≥	16000	MOhm*km
Characteristic Impedance				
	3 - 20 MHz		(150 ± 15)	Ohm
	31.25 - 38.4 kHz		(185 ± 18.5)	Ohm
	9.6 kHz		(270 ± 27)	Ohm
Attenuation				
	16 MHz	<	42	dB/km
	4 MHz	<	22	dB/km
	38.4 kHz	<	4	dB/km
	9.6 kHz	<	2.5	dB/km
Capacitance	1 kHz	≈	28.5	nF/km
Capacitance unbalance to ground		≤	1500	pF/km
Operating voltage		≤	60	V
Test voltage (wire/wire/screen rms 50Hz 1min)		=	1000	V

Mechanical and thermal characteristics

Insulating material acc. to DIN EN 50290-2-23 (VDE 0819), table 2/A (HD 624.3) (02Y)

Jacket material acc. to IEC 60092-360 / SHF2

Flame retardant acc. to IEC 60332-3-22 (Cat. A)

Mud resistant acc. to NEK606

Approved for Marine and Offshore Applications

DNV Certificate No. TAE000025V

Lloyds Register Certificate No. 07/20047

Bureau Veritas Certificate No. 20147/C0 BV

ABS Certificate No. 16-HG1512868-PDA

Other characteristics

RoHS compliant (Directive 2011/65/EU & 2015/863/EU RoHS 3)

Halogen free acc. to IEC 60754-1

UV-resistant

Permissible temperature range

Transport, installation and operating: -40 °C (-40 °F) up to 80 °C (176 °F)

Min. bending radius allowed : repeated 10X \varnothing , single 5X \varnothing

Weight about : 82 kg/km (55,0 lb/1000ft)

Designation of order

L45467-G17-C106

224922

02YSH(ST)CH 1X2X0.75/2.55-150 LI VI

1000 m (3281 ft) on non-returnable reel

Product has not been tested and classified according to the CPR (EU/305/2011).

The product shall not be permanently installed in buildings in the EU.