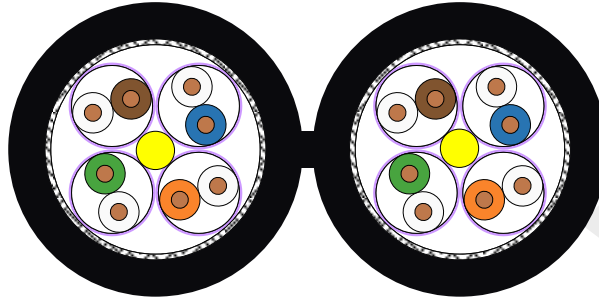


SeaLine

02YSC H 2X4X2X0.6/1.43-100 PIMF BK



Design

Wire

Bare copper wire (23 AWG)
 Insulation of foamed Polyethylene (PE) with skin

∅ 0.6 mm (0.024 in dia)
 ∅ 1.43 mm (0.056 in dia)

Shielded pair

2 wires twisted to a pair
 Alulaminat foil overlapped, applied longitudinally

Core

Strain relief
 1. layer: 4 pairs WH/BU-WH/OG-WH/GN-WH/BN
 Shield braiding of tinned copper wires
 Coverage about 55%
 Plastic tape overlapped

∅ 6.8 mm (0.268 in dia)

Jacket

2 elements side by side
 Thermoplastic copolymer (FRNC) BK
 Outer dimensions

(17.9 X 9.0 ±0.3)) mm (0.705 X 0.354 ±0.012 in dia)

Printing: "sequential length in metres" BizLink **SeaLine** SCG * L45467-J816-C126 * 02YSCH 2X4X2X0.60/1.43-100 PIMF CAT7 IEC 60332-3-22 SHF1 * "internal lot number"

Electrical data at 20°C

Loop resistance	≤	140	Ohm/km
Insulation resistance	≥	500	MOhm*km
Signal run time	≤	5.13	ns/m
Capacitance (1 kHz)	≈	42	nF/km
Operating voltage (peak)	≤	100	V
Characteristic impedance at 100 MHz		(100 ±5)	Ohm
Surface transfer impedance 10 MHz		10	mOhm/m
Test voltage (wire/wire/screen rms 50Hz 1min)		700	V

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Frequency (MHz)	1	4	10	16	20	31.25	62.5	100	155	200	300	600
Next (dB)	80	80	80	80	80	80	75.1	72.4	69.6	67.9	65.3	60.8
PSNext (dB)	77	77	77	77	77	77	72.5	69.4	66.6	64.9	62.3	57.8
ELFext (dB)	80	80	74.0	69.9	68	64.1	58.1	54	50.2	48	44.5	38.4
PSELFext (dB)	77	77	71	66.9	65	61.1	55.1	51	47.2	45.0	41.5	35.4
Attenuation dB/100m)	2.0	3.6	5.7	7.2	8.1	10.1	14.5	18.5	23.4	26.8	33.3	48.9
Frequency (MHz)	4	8	10	16	20	31.25	62.5	100	155	250	350	600
Return loss (dB)	23.1	24.5	25	25	25	23.6	21.5	20.1	18.8	17.3	17.3	17.3

Electrical requirements acc. to. EN 50288-4-1 (2014)

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 SHF1

Oil resistant acc. to IEC 60811-404 (4 hours / 70°C)

Flame retardant acc. to IEC 60332-1-2

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

Approved for Marine and Offshore Applications

DNV Certificate No. TAE000018H

Other characteristics

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

Low Smoke, Fire retardant, Zero Halogen

Corrosivity of fumes acc. to IEC 60754-2

Smoke-density acc. to IEC 61034

UV-resistant

Permissible temperature range

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

Installation and flexible use : -30 °C (-22 °F) up to 80 °C (176 °F)

Min. bending radius allowed : repeated 8X \varnothing , single 4X \varnothing

Weight about : 151 kg/km (101 lb/1000ft)

Designation

L45467-J816-C126

237793

02YSC H 2X4X2X0.6/1.43-100 PIMF SW

500 m (1640 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.