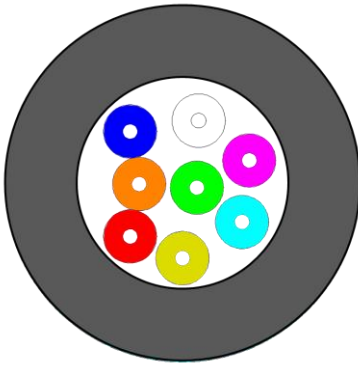


OceanLine™ Distribution Cable

Indoor/Outdoor, distribution or mini break-out cable with ES9 tight buffer, up to 24 fibres and FireRes® sheath, VDE: J-V(ZN)H



Application and Installation

This distribution or mini-break-out cable can be used for lighter industrial, shipboard and oil & gas applications.

It is mainly for indoor use, but in areas with limited UV-radiation, it may also be installed outdoors.

The outer sheath is made from black UV-stabilized and weather resistant material which is SHF1 classified, and may be exposed for shorter periods to fluids such as diesel and mineral oils.

The cable features Draka's ES9 tight buffer.

The cable features aramid yarns for ease of installation.

The cable is suited for installation in ducts and on cable ladders/trays.

Standards

DNVGL-CP-0402, ISO 11801 2nd edition, EN 187 000, IEC 60794-2, EN 50 173-1, IEC 60794-2-20

Flame Resistance

LSHF-FR (LSOH-FR): IEC 60332-1-2; IEC 60332-3-24, IEC 60754-2; IEC 61034, EN 50399 Class D_{ca}, Class E_{ca}

OceanLine™ Distribution Cable

Construction

Fibre	2 - 24 tightly buffered fibres 900 µm ± 50 µm.							
Fibre colour code	1	Red	13	Red w/mark every 70 mm				
	2	Green	14	Green w/mark every 70 mm				
	3	Blue	15	Blue w/mark every 70 mm				
	4	Yellow	16	Yellow w/mark every 70 mm				
	5	White	17	White w/mark every 70 mm				
	6	Grey	18	Grey w/mark every 70 mm				
	7	Brown	19	Brown w/mark every 70 mm				
	8	Violet	20	Violet w/mark every 70 mm				
	9	Turquoise	21	Turquoise w/mark every 70 mm				
	10	Black	22	White w/mark every 35 mm				
	11	Orange	23	Orange w/mark every 70 mm				
	12	Pink	24	Pink w/mark every 70 mm				
Strength member	Ultra high modulus aramid yarns							
Outer Sheath (Class and colour)	SHF1 classified(Other colours on request)						Black	
Sheath marking	DRAKA OceanLine							

Physical Properties

Attribute	Method IEC 60974- 1-21/22	Limits						
		2	4	6	8	12	16	24
Fibre count		2	4	6	8	12	16	24
Nominal diameter [mm]	-	4.5	5	5.5	6	6.5	7	8
Nominal weight [kg/km]	-	21	26	30	35	45	50	65
Maximum installation load (a few hours) [N]	-	1000	1000	1000	1000	1200	1200	1500
Short term tensile strength (some days) [N]	E1	560	560	560	560	680	680	800
Permanent tensile strength [N]	E1	280	280	280	280	340	340	400
Impact [J]	E4	20 J						
Crush (compressive strength)	E3	3000 N/ 100 mm						
Torsion	E7	5 cycles ± 1 turn						
Minimum bending radius	E11	45	50	55	60	65	70	80
Minimum bending radius under tension	E18A	90	100	110	120	130	140	160
Temperature range	F1	Operation			-25 °C to 70 °C			
		Installation			-20 °C to 70 °C			
		Storage			-40 °C to 70 °C			
Minimum bending radius of the 900 µm buffered fibres	G01	With standard fibres			20 mm			
		With MaxCap-BB-OMx fibres			7.5 mm			
		With BendBright-XS fibers:			7.5 mm			
Heat of combustion [MJ/km] – [kW/m]		370 0.1 0	475 0.13	575 0.16	660 0.18	900 0.25	1000 0.28	1400 0.39

OceanLine™ Distribution Cable

Product Codes

Product Code	Product Description	Fibre count	Fibre type	Fibre data sheet
	OceanLine I DI LSHF-FR ES9 4 MM61	4	OM1 62.5/125	C02
	OceanLine I DI LSHF-FR ES9 8 MM61	8	OM1 62.5/125	C02
	OceanLine I DI LSHF-FR ES9 12 MM61	12	OM1 62.5/125	C02
	OceanLine I DI LSHF-FR ES9 24 MM61	24	OM1 62.5/125	C02
	OceanLine I DI LSHF-FR ES9 2 OM2B	2	MaxCap-BB-OM2 50/125	C34
	OceanLine I DI LSHF-FR ES9 4 OM2B	4	MaxCap-BB-OM2 50/125	C34
	OceanLine I DI LSHF-FR ES9 8 OM2B	8	MaxCap-BB-OM2 50/125	C34
	OceanLine I DI LSHF-FR ES9 12 OM2B	12	MaxCap-BB-OM2 50/125	C34
	OceanLine I DI LSHF-FR ES9 24 OM2B	24	MaxCap-BB-OM2 50/125	C34
	OceanLine I DI LSHF-FR ES9 2 OM3B	2	MaxCap-BB-OM3	C31
	OceanLine I DI LSHF-FR ES9 4 OM3B	4	MaxCap-BB-OM3	C31
	OceanLine I DI LSHF-FR ES9 8 OM3B	8	MaxCap-BB-OM3	C31
	OceanLine I DI LSHF-FR ES9 12 OM3B	12	MaxCap-BB-OM3	C31
	OceanLine I DI LSHF-FR ES9 24 OM3B	24	MaxCap-BB-OM3	C31
	OceanLine I DI LSHF-FR ES9 4 OM4B	4	MaxCap-BB-OM4	C32
	OceanLine I DI LSHF-FR ES9 8 OM4B	8	MaxCap-BB-OM4	C32
	OceanLine I DI LSHF-FR ES9 12 OM4B	12	MaxCap-BB-OM4	C32
	OceanLine I DI LSHF-FR ES9 24 OM4B	24	MaxCap-BB-OM4	C32
	OceanLine I DI LSHF-FR ES9 4 OM5B	4	WideCap-OM5	C39
	OceanLine I DI LSHF-FR ES9 8 OM5B	8	WideCap-OM5	C39
	OceanLine I DI LSHF-FR ES9 12 OM5B	12	WideCap-OM5	C39
	OceanLine I DI LSHF-FR ES9 24 OM5B	24	WideCap-OM5	C39
	OceanLine I DI LSHF-FR ES9 4 SM2D	4	OS2 - G.652.D	C03e
	OceanLine I DI LSHF-FR ES9 6 SM2D	6	OS2 - G.652.D	C03e
	OceanLine I DI LSHF-FR ES9 8 SM2D	8	OS2 - G.652.D	C03e
	OceanLine I DI LSHF-FR ES9 12 SM2D	12	OS2 - G.652.D	C03e
	OceanLine I DI LSHF-FR ES9 24 SM2D	24	OS2 - G.652.D	C03e
	OceanLine I DI LSHF-FR ES9 4 SM7B	4	OS2 - BendBright®XS G.657.A2	C24
	OceanLine I DI LSHF-FR ES9 8 SM7B	8	OS2 - BendBright®XS G.657.A2	C24
	OceanLine I DI LSHF-FR ES9 12 SM7B	12	OS2 - BendBright®XS G.657.A2	C24
	OceanLine I DI LSHF-FR ES9 24 SM7B	24	OS2 - BendBright®XS G.657.A2	C24

© PRYSMIAN GROUP 2017, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.