



TOXFREE MARINE XZ1-K (AS)

The Marine Power Cable SDI and Twin LSZH

CONSTRUCTION	
Conductors	Electrolytic annealed copper conductor Class 5 (Flexible) according to IEC 60228
Insulation	XLPE Cross-linked polyethylene type HF-XLPE-90 acc. to IEC 60092-360
Outer Jacket	Low Smoke Halogen Free Polyolefin SHF1 (IEC 60092-360), Black
Voltage	0.6/1 kV
Minimum Bending Radius	<25mm = 4x cable diameter, >25mm = 6x cable diameter
Approvals	ABS, DNV-GL, Bureau Veritas, Lloyd's Register, CE, RoHS

PROPERTIES	
Water Resistance	AD6 Waves
Impact Resistance	AG2 Medium Severity
Environmental Resistance	UV Resistant UNE 211605, Good resistance to chemicals & oils
Flame retardant	Flame retardant IEC 60332-1
Fire retardant	Fire non-propagation IEC 60332-3-22
Low smoke halogen free	LSZH IEC 60754-1
Emissions	Low corrosive gases emission IEC 60754-2, Low smoke emission IEC 61034
Light transmittance	>60%
Construction Products Regulation CPR	B2ca-s1a, d1, a1 / Cca-s1a, d1, a1
Service temperature	Maximum 90 Degrees Celsius
Maximum	Max. Short circuit temperature 250C (5 sec.)
Minimum	-40C (Fixed/protected), Install temp. -15C

APPLICATIONS
Marine use, commercial vessels, international waters vessels
Maritime projects where LSZH power cables are required by law
Luxury yachts, public transport vessels, i.e., Citycat, Passenger vessels
Safety cable in the event of fire does not emit toxic or corrosive gases
Protection for public health and protection of electronic equipment

PACKAGING	
Roll Lengths	1000M, 500M, 100M, Cut Lengths
Cable Marking	TOP CABLE TOXFREE ZH RZ1-K (AS) 0,6/1kV nxs mm2 IEC 60502 AENOR E-022-0-1-107392 CMim / N2XH Flex 0,6/1 KV nxs mm2 IEC 60502/YMz1Kf 0,6/1 kV nxs mm2 IEC 60092-353 IEC 6033203022 / 90C DOP TC005_8 B2ca-s1a,di,a1 MADE IN SPAIN XXXXX aaaa meter / Logo AENOR, Logo CMim, XXXXX-No
	Meter Marked



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Product code	Cross-section mm ²	Overall Diameter	Max amps *	Voltage drop (V/A -km)	Weight (kg/km)
LSZH.SDI10	10	8.2	67	4.23	135
LSZH.SDI16	16	9.2	110	2.68	190
LSZH.SDI25	25	10.9	147	1.73	285
LSZH.SDI35	35	11.8	183	1.23	380
LSZH.SDI50	50	13.5	231	0.86	520
LSZH.SDI70	70	15.4	292	0.603	710
LSZH.SDI95	95	17.2	351	0.457	925
LSZH.SDI120	120	19.1	418	0.357	1165
LSZH.2C1.5	2 X 1.5	7.3	24	34	80
LSZH.2C2.5	2 X 2.5	8.6	32	20.4	115
LSZH.2C6.0	2 X 6	10.5	57.25	8.45	205

*Max amperage values according to AS/NZS 3008.1.1:2009 Table 11 (Twin-core), Table 14 (Multicore) X-90, X-HF-90, R-EP-90, R-HF-90, R-CSP-90 90 C (Flexible Cu Unenclosed - Spaced). Ambient temperature 40 C in air, 25 C in ground.