



TOXFREE MARINE Instrumentation Cable (Twisted Pairs)

LSZH X0xTCuZ1-K (AS) Overall Screened Special Instrument Wiring

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
Protective layer	AL-POS
Screen	Tinned copper braid screen and ripcord
Braid protection	Tinned copper wire braid protection over collective screen
Outer Jacket	LSHF Thermoplastic Polyolefin SHF1 to IEC 60092-360, Grey, Fire retardant
Voltage	150/250 V
Minimum Bending Radius	<25mm = 4x cable diameter, >25mm = 6x cable diameter
Approvals	ABS, DNV-GL, Bureau Veritas, CE, RoHS

PROPERTIES	
Water Resistance	AD6 Waves
Impact Resistance	AG3 High Severity
Environmental Resistance	UV Resistant, 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%
Service temperature	Maximum 90 Degrees Celsius
Maximum	Max. Short circuit temperature 250C (5 sec.)
Minimum	-40C (Fixed, protected installations), -15C Installation temp.

APPLICATIONS
Safety instrumentation and telecommunication cable
Computer labs, data centers, telecommunications and networking power supply
Marine use, commercial vessels, international waters vessels, small and large 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
Airports, hospitals, schools, public places where safety is required.

Product code	Cross-section mm ²	Overall Diameter	Weight (kg/km)
ZHTP1.75A	1 X 2 X 0.75	7.6	95
ZHTP2.75A	2 X 2 X 0.75	9.8	130
ZHTP4.75A	4 X 2 X 0.75	11.8	180
ZHTP7.75A	7 X 2 X 0.75	13.9	260
ZHTP10.75A	10 X 2 X 0.75	17.0	390