



## TOPDRIVE VSD (EMC) ROZ1-K (AS)

### LSZH Flex Screened Cable for VFD Variable Frequency Drives

CONSTRUCTION	
Conductors	Electrolytic annealed copper conductor <b>Class 5 (Flexible)</b> according to IEC 60228
Insulation	XLPE Cross-linked polyethylene type <b>HF-XLPE-90</b> acc. to IEC 60092-360
Protective layer	AL-POS
Screen	Tinned copper braid screen and ripcord
Outer Jacket	Low Smoke Halogen Free Polyolefin SHF1 Type ST8 (IEC 60092-360), Black
Voltage	0.6/1 kV
Minimum Bending Radius	10 x cable diameter
Approvals	ABS, DNV-GL, Bureau Veritas, Lloyd's Register, CE, RoHS

PROPERTIES	
Water Resistance	AD5 Jets
Impact Resistance	AG2 Medium Severity
Environmental Resistance	UV Resistant, resistance to chemicals & oils
Flame retardant	Flame retardant IEC 60332-1
Fire retardant	Fire non-propagation IEC 60332-3
Low smoke halogen free	LSZH IEC 60754-1
Emissions	Low corrosive gases emission IEC 60754-2, Low smoke emission IEC 61034
Light transmittance	>80%
Construction Products Regulation CPR	Cca-s1a, d1, a1
Service temperature	Maximum <b>90 Degrees Celsius</b>
Maximum	Max. Short circuit temperature 250C (5 sec.)
Minimum	-40C (Fixed, protected installations)

## APPLICATIONS

VFD Motors and drives, variable speed drive motors, connection to pump sheds

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.

## PACKAGING

Roll Lengths 500M, 100M, Cut to length

Cable Marking TOP CABLE TOPDRIVE ZH ROZ1-K (AS) VFD EMC 0.6/1KV 4G1.5 MM2 IEC 60502 IEC 60332-3 90C DOP  
TOC4 Dca, s1a,d1,a1, MADE IN SPAIN 39969 2023YEAR 0542(Meter mark)

Meter Marked

Product code	Cross-section mm <sup>2</sup>	Overall Diameter	Max amps *	Voltage drop (V/A -km)	Weight (kg/km)
<b>ZH.VSD.4G1.5</b>	4G 1.5	11.4	20	33.9	185
<b>ZH.VSD.4G2.5</b>	4G 2.5	12.2	27	20.3	230
<b>ZH.VSD.4G4.0</b>	4G 4.0	13.7	36	12.6	300
<b>ZH.VSD.4G6.0</b>	4G 6.0	15.1	46	8.41	385
<b>ZH.VSD.4G10</b>	3X10 + 3G1.5	15.6	66	4.87	510