

657*ZH MARINE AND OFFSHORE CABLE



APPLICATION

657ZH Marine and offshore cables. Non Armoured - is used for fixed installation in various electromechanical and electronic equipment in marine vehicles. It is suitable for use in marine environments which are dry, wet or oily. Due to its halogen-free, low smoke density and flame retardant construction it does not create corrosive gases during a fire.

CABLE STANDARDS

IEC60092/376
IEC60332/1
IEC60332/3 CAT A
IEC 60754/1-2
IEC 61034/1-2

CONSTRUCTION

Conductor: Tinned copper conductor
Insulation: Halogen Free Cross Linked Polyethylene (XLPE)
Sheath: Low smoke zero halogen (LSZH)
Sheath Colour: ■ Black

CHARACTERISTICS

Voltage Rating: 600/1000 Volts
Temperature Limits: -40°C to +90°C
Minimum Bending Radius: As per cable manufacturer datasheet

CORE IDENTIFICATION

2 Core: ■ Brown ■ Blue
3 Core: ■ Brown ■ Blue ■ Grey
4 Core: ■ Brown ■ Black ■ Grey ■ Blue
5 core & Above: □ White with Black Numbers

Should not be installed at temperatures below -15°C

657*ZH MARINE AND OFFSHORE CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM ²)	STRANDING (MM)	NO. OF CORES	WEIGHT (KG/KM)	OVERALL DIAMETER
6572ZH1/5	1.5	7/0.53	2	79	8.5
6573ZH1/5	1.5	7/0.53	3	101	9
6574ZH1/5	1.5	7/0.53	4	124	9.8
6575ZH1/5	1.5	7/0.53	5	151	10.7
6577ZH1/5	1.5	7/0.53	7	195	11.7
6570/12ZH1/5	1.5	7/0.53	12	318	15.4
6570/19ZH1/5	1.5	7/0.53	19	475	18.1
6570/27ZH1/5	1.5	7/0.53	27	673	22
6570/37ZH1/5	1.5	7/0.53	37	893	24.7
6572ZH2/5	2.5	7/0.67	2	102	9.3
6573ZH2/5	2.5	7/0.67	3	133	9.9
6574ZH2/5	2.5	7/0.67	4	166	10.8
6575ZH2/5	2.5	7/0.67	5	210	12
6577ZH2/5	2.5	7/0.67	7	279	13.7
6570/12ZH2/5	2.5	7/0.67	12	448	17.3
6570/19ZH2/5	2.5	7/0.67	19	674	20.3
6570/27ZH2/5	2.5	7/0.67	27	955	24.7
6570/37ZH2/5	2.5	7/0.67	37	1272	27.7
6572ZH4	4	7/0.85	2	139	10.5
6573ZH4	4	7/0.85	3	191	11.3
6574ZH4	4	7/0.85	4	241	12.4
6572ZH6	6	7/1.04	2	188	11.7
6573ZH6	6	7/1.04	3	254	12.4
6574ZH6	6	7/1.04	4	323	13.6
6572ZH10	10	7/1.35	2	274	13.5
6573ZH10	10	7/1.35	3	386	14.6
6574ZH10	10	7/1.35	4	495	16
6572ZH16	16	7/1.70	2	401	15.7
6573ZH16	16	7/1.70	3	569	16.9
6574ZH16	16	7/1.70	4	739	18.6
6572ZH25	25	19/1.35	2	895	20.8
6573ZH25	25	19/1.35	3	1132	22.3
6574ZH25	25	19/1.35	4	1429	24.7

657*ZH MARINE AND OFFSHORE CABLE – ELECTRICAL CHARACTERISTICS

CCC CODE	CURRENT RATING *(AMPS)	DC RESISTANCE 20°C (OHMS/KM)	AC RESISTANCE 90°C (OHMS/KM)	INDUCTANCE (MH/KM)
6572ZH1/5	19	12.1	53	0.343
6573ZH1/5	16	12.1	63	0.384
6574ZH1/5	16	12.1	63	0.377
6575ZH1/5	12	12.1	83	0.383
6577ZH1/5	11	12.1	91	0.383
6570/12ZH1/5	11	12.1	91	0.383
6570/19ZH1/5	11	12.1	91	0.383
6570/27ZH1/5	9	12.1	111	0.383
6570/37ZH1/5	9	12.1	111	0.383
6572ZH2/5	27	7.41	37	0.320
6573ZH2/5	22	7.41	45	0.359
6574ZH2/5	22	7.41	45	0.352
6575ZH2/5	17	7.41	59	0.357
6577ZH2/5	15	7.41	67	0.357
6570/12ZH2/5	15	7.41	67	0.357
6570/19ZH2/5	15	7.41	67	0.357
6570/27ZH2/5	13	7.41	77	0.357
6570/37ZH2/5	13	7.41	77	0.357
6572ZH4	34	4.61	29	0.300
6573ZH4	28	4.61	36	0.337
6574ZH4	28	4.61	36	0.329
6572ZH6	44	3.08	23	0.285
6573ZH6	36	3.08	28	0.321
6574ZH6	36	3.08	28	0.312
6572ZH10	60	1.83	17	0.269
6573ZH10	50	1.83	20	0.303
6574ZH10	50	1.83	20	0.294
6572ZH16	81	1.15	12	0.257
6573ZH16	67	1.15	15	0.291
6574ZH16	67	1.15	15	0.281
6572ZH25	108	0.727	9	0.258
6573ZH25	88	0.727	11	0.292
6574ZH25	88	0.727	11	0.282

*CONDUCTOR TEMPERATURE 90°C
AMBIENT TEMPERATURE 20°C

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS

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