

XI 331

Plain compacted copper IEC60228 Class 2, mica tape plus XLPE insulated, halogen free FLAMEBAR® bedding, halogen free SHF1, LSZH sheath.

Design and Construction: IEC60092-353

Nominal Voltage Uo/U: 0,6/1 kV

Maximum Voltage Umax: 1,2 kV

Flame Retardancy: IEC 6033231 IEC 60332-1

Fire Resistancy: IEC 60331

Corrosivity: IEC 60754-1 IEC 60754-2

Smoke Density: IEC 61034-2

Toxicity and Smoke Density: IMO RESOLUTION MSC 41(64) and ATS 1000.001 tech. spec.

Cold bend and impact test (-40°C) CSA C22.2 No 38-95

Cores Identification: 1 core black, 2 core black & light blue 3 core black, brown & light blue, 4 core black, blue, brown & white, 5 core white and numbered

Earthing core (on request) green/yellow

Sheath Colour: Black

CONSTRUCTION (MM ²)	INSULATION THICKNESS (MM)	OUTER SHEATH THICKNESS (MM)	OVERALL DIAMETER (APPROX) (MM)	WEIGHT (APPROX) (KG/KM)	BENDING RADIUS (MM)	CONDUCTOR RESISTANCE AT 20 Deg C (/KM)	CURRENT RATING AT 45 Deg C (A)	SHORT CIRCUIT RATING (kA)	BATT PART NO
1x1.5	0.7	0.9	5.2	34	21	12.200	28	0.21	-
1x2.5	0.7	1.0	5.9	48	24	7.560	35	0.35	-
1x4.0	0.7	1.0	6.6	65	26	4.700	47	0.58	-
1x6.0	0.7	1.0	7.1	87	29	3.110	58	0.87	-
1x10	0.7	1.0	7.9	143	32	1.840	70	1.46	-
1x16	0.7	1.1	9.3	212	37	1.160	93	2.33	-
1x25	0.9	1.2	11.5	321	46	0.735	117	3.65	-
1x35	0.9	1.2	12.8	443	51	0.530	147	5.11	-
1x50	1.0	1.3	14.4	604	57	0.391	180	7.30	-
1x70	1.1	1.4	16.9	824	67	0.270	283	10.20	-
1x95	1.1	1.4	18.8	1067	75	0.195	285	13.90	-
1x120	1.2	1.5	20.9	1328	83	0.154	333	17.50	-
1x150	1.4	1.6	23.1	1652	92	0.126	386	21.90	-
1x185	1.6	1.6	24.0	1995	96	0.100	444	27.00	-
1x240	1.7	1.8	28.4	2584	114	0.076	528	35.00	-
1x300	1.8	1.9	31.0	3185	124	0.061	612	43.80	-
2x1.5	0.7	1.1	9.0	92	36	12.200	23	0.21	14162
2x2.5	0.7	1.1	10.0	123	40	7.560	31	0.35	14130
2x4	0.7	1.2	11.5	173	46	4.700	43	0.58	-
2x6	0.7	1.2	12.6	226	50	3.110	55	0.87	-
2x10	0.7	1.3	15.9	394	63	1.840	75	1.46	-
2x16	0.7	1.4	18.7	564	75	1.160	100	2.33	-
2x25	0.9	1.6	23.4	866	94	0.735	130	3.65	-
2x35	0.9	1.7	25.3	1083	101	0.530	161	5.11	-
2x50	1.0	1.8	28.4	1501	113	0.391	196	7.30	-
2x70	1.1	2.0	33.7	2016	135	0.270	236	10.20	-
2x95	1.1	2.2	38.2	2701	153	0.195	287	13.90	-
3x1.5	0.7	1.1	9.5	110	38	12.200	20	0.21	14116
3x2.5	0.7	1.1	10.6	150	43	7.560	28	0.35	14115
3x4	0.7	1.2	12.2	213	49	4.700	37	0.58	-
3x6	0.7	1.3	13.6	289	55	3.110	47	0.87	-
3x10	0.7	1.3	15.9	474	63	1.840	65	1.46	-
3x16	0.7	1.4	18.7	685	75	1.160	87	2.33	14186
3x25	0.9	1.6	23.4	1043	94	0.735	110	3.65	-
3x35	0.9	1.7	25.3	1351	101	0.530	137	5.11	14289
3x50	1.0	1.8	28.4	1853	113	0.391	167	7.30	-
3x70	1.1	2.0	33.7	2574	135	0.270	214	10.20	-
3x95	1.1	2.2	38.2	3389	153	0.195	259	13.90	14188
3x120	1.2	2.3	42.5	4244	170	0.154	301	17.50	-
3x150	1.4	2.5	47.3	5257	189	0.126	347	21.90	-
3x185	1.6	2.6	49.4	6296	198	0.100	397	27.00	-
3x240	1.7	2.9	58.8	8307	235	0.076	468	35.00	-
3x300	1.8	3.1	64.2	10144	257	0.061	551	43.00	-



TYPE APPROVALS

ABS, Bureau Veritas, DNV, Lloyd's Register & Russian Maritime Register of Shipping



XI 331 (Continued)

Tinned or plain compacted copper IEC60228 Class 2, mica tape plus XL100 (XLPE based compound) insulated, halogen free FLAMEBAR® bedding, halogen free SHF1, LSZH sheath.

Design and Construction: IEC60092-353

Nominal Voltage Uo/U: 0,6/1 kV

Maximum Voltage Umax: 1,2 kV

Flame Retardancy: IEC 60332-1 IEC 60332-3 Cat A

Fire Resistancy: IEC 60331

Corrosivity: IEC 60754-1 IEC 60754-2

Smoke Density: IEC 61034-2

Toxicity and Smoke Density: IMO RESOLUTION MSC 41(64) and ATS 1000.001 tech. spec.

Cold bend and impact test (-40°C) CSA C22.2 No 38-95

Cores Identification: 1 core black, 2 core black & light blue 3 core black, brown & light blue, 4 core black, blue, brown & white, 5 core white and numbered

Earthing core (on request) green/yellow

Sheath Colour: Black

CONSTRUCTION (MM ²)	INSULATION THICKNESS (MM)	OUTER SHEATH THICKNESS (MM)	OVERALL DIAMETER (APPROX) (MM)	WEIGHT (APPROX) (KG/KM)	BENDING RADIUS (MM)	CONDUCTOR RESISTANCE AT 20 Deg C (Z/KM)	CURRENT RATING AT 45 Deg C (A)	SHORT CIRCUIT RATING (kA)	BATT PART NO
4x1.5	0.7	1.1	10.4	134	42	12.200	20	0.21	14189
4x2.5	0.7	1.2	11.8	189	47	7.560	28	0.36	14114
4x4	0.7	1.2	13.4	264	54	4.700	37	0.58	-
4x6	0.7	1.3	14.9	361	60	3.110	47	0.87	-
4x10	0.7	1.4	17.5	569	70	1.840	65	1.46	-
4x16	0.7	1.5	20.7	833	83	1.160	87	2.33	-
4x25	0.9	1.7	25.9	1284	104	0.735	110	3.65	-
4x35	0.9	1.8	27.9	1760	112	0.530	137	5.11	-
4x50	1.0	1.9	31.4	2401	125	0.391	167	7.30	-
4x70	1.1	2.1	37.3	3273	149	0.270	214	10.20	-
4x95	1.1	2.3	42.3	4347	169	0.195	259	13.90	-
4x120	1.2	2.5	47.3	5500	189	0.154	301	17.50	-
4x150	1.4	2.7	52.5	6819	210	0.126	347	21.90	-
4x185	1.6	2.8	54.9	8193	219	0.100	397	27.00	-
4x240	1.7	3.2	65.4	10750	262	0.076	468	33.80	-
5x1.5	0.7	1.2	11.6	177	56	12.200	12	0.21	-
7x1.5	0.7	1.2	12.6	216	50	12.200	11	0.21	14118
10x1.5	0.7	1.4	16.4	317	66	12.200	10	0.21	-
12x1.5	0.7	1.4	16.9	360	68	12.200	9	0.21	14288
14x1.5	0.7	1.4	17.8	405	71	12.200	9	0.21	-
16x1.5	0.7	1.4	18.8	457	75	12.200	8	0.21	-
19x1.5	0.7	1.5	20.0	528	80	12.200	8	0.21	14117
24x1.5	0.7	1.6	23.6	668	94	12.200	7	0.21	-
27x1.5	0.7	1.6	24.1	730	97	12.200	7	0.21	-
30x1.5	0.7	1.7	25.2	811	101	12.200	7	0.21	-
37x1.5	0.7	1.8	27.4	980	110	12.200	7	0.21	-
5x2.5	0.7	1.2	13.0	239	52	7.560	17	0.36	-
7x2.5	0.7	1.3	14.3	305	57	7.560	15	0.36	-
12x2.5	0.7	1.5	19.3	509	77	7.560	12	0.36	-
19x2.5	0.7	1.6	22.8	755	91	7.560	11	0.36	-
27x2.5	0.7	1.8	27.7	1063	111	7.560	9	0.36	-
37x2.5	0.7	1.9	31.2	1407	125	7.560	9	0.36	-



TYPE APPROVALS

ABS, Bureau Veritas, DNV, Lloyd's Register & Russian Maritime Register of Shipping

