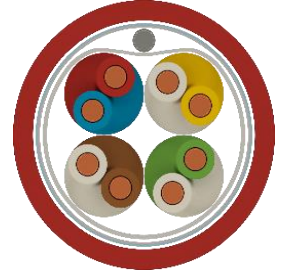


Electronic Control Cables

Fire Alarm Cables

J-H(St)H Lg



Application

- In places where human life, valuable materials and equipments need to be protected.
- In crowded indoor environments.
- At instrumentation and control engineering.
- At industrial electronics.
- Computer and office devices.
- Indoor communication systems.
- Indoor sound systems.
- Security and fire alarm systems.

Cable Construction

- 1- Conductor : Class 1 electrolytic solid copper (IEC 60228, DIN VDE 0295, EN 60228)
- 2- Insulation : HFFR compound (VDE 0815, EN 50290-2-26)
- 3- Stranding : Insulations are stranded into pairs, two pairs are stranded together into a star-quad, above two pairs are stranded together in layers.
- 4- Wrapping : Polyester tape
- 5- Screen : Tinned copper earthing wire, Al/PET tape
- 6- Outer Jacket : UV resistant halogen-free outer jacket. RAL 3000 (Red) or RAL 7035 (Grey)

Technical Characteristics

Cross Section	Conductor Resistance (20 °C) Ω/km	Insulation Resistance (20 °C) M Ω/km	Mutual Capacitance nF/km	Operating Voltage V DC	Test Voltage (1 minute) V DC
0.60 mm	130	100	100	300	800
0.80 mm	73.2	100	100	300	800
1.00 mm	44.6	100	100	300	1000
1.50 mm ²	24.6	100	100	300	1000
2.50 mm ²	15.1	100	100	300	1000

Mechanical Characteristics

Bending Radius	Temperature Range Operating
7.5xD mm	-30°C ~ +70°C

Standards

Smoke Density Test	Corrosive Gas Test	Halogen-free Test	Flame Retardancy Test	Flame Propagation Test
IEC 61034-2, VDE 0482-1034-2, EN 61034-2	IEC 60754-2, VDE 0482-267-2-3, EN 50267-2-3	IEC 60754-1, VDE 0482-267-2-1, EN 50267-2-1	IEC 60332-1-2, VDE 0482-332-1-2, EN 60332-1-2	IEC 60332-3-24, VDE 0482-332-3-24, EN 60332-3-24

J-H(St)H Lg

Part Number	Pair Count	Conductor Cross Section (mm)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.645.1.3.3.0060.0.0001	1	0.60	4.1	8.0	23	500/1000
3.645.1.3.3.0060.0.0002	2	0.60	4.7	13.3	33	500/1000
3.645.1.3.3.0060.0.0003	3	0.60	6.1	18.6	48	500/1000
3.645.1.3.3.0060.0.0004	4	0.60	7.2	23.9	60	500/1000
3.645.1.3.3.0060.0.0005	5	0.60	7.6	29.2	71	500/1000
3.645.1.3.3.0060.0.0006	6	0.60	9.1	34.5	86	500/1000
3.645.1.3.3.0060.0.0008	8	0.60	9.4	45.1	103	500/1000
3.645.1.3.3.0060.0.0010	10	0.60	9.7	55.8	122	500/1000
3.645.1.3.3.0060.0.0012	12	0.60	10.4	66.4	140	500/1000
3.645.1.3.3.0060.0.0014	14	0.60	11.3	77.0	165	500/1000
3.645.1.3.3.0060.0.0016	16	0.60	11.9	87.6	184	500/1000
3.645.1.3.3.0060.0.0020	20	0.60	13.3	108.8	222	500/1000
3.645.1.3.3.0060.0.0024	24	0.60	14.3	130.0	264	500/1000
3.645.1.3.3.0060.0.0025	25	0.60	14.5	135.3	274	500/1000
3.645.1.3.3.0060.0.0030	30	0.60	18.7	161.9	345	500/1000
3.645.1.3.3.0060.0.0040	40	0.60	20.7	214.9	436	500/1000
3.645.1.3.3.0060.0.0050	50	0.60	22.9	268.0	527	500/1000
3.645.1.3.3.0060.0.0060	60	0.60	25.0	321.0	631	500/1000
3.645.1.3.3.0060.0.0080	80	0.60	28.1	427.1	807	500/1000
3.645.1.3.3.0060.0.0100	100	0.60	32.0	532.4	1004	500/1000
3.645.1.3.3.0080.0.0001	1	0.80	4.7	14.2	32	500/1000
3.645.1.3.3.0080.0.0002	2	0.80	5.4	23.5	48	500/1000
3.645.1.3.3.0080.0.0003	3	0.80	7.0	33.1	69	500/1000
3.645.1.3.3.0080.0.0004	4	0.80	8.2	42.5	87	500/1000
3.645.1.3.3.0080.0.0005	5	0.80	8.6	51.9	100	500/1000
3.645.1.3.3.0080.0.0006	6	0.80	10.5	61.4	124	500/1000
3.645.1.3.3.0080.0.0008	8	0.80	10.8	80.2	150	500/1000
3.645.1.3.3.0080.0.0010	10	0.80	11.1	99.1	176	500/1000
3.645.1.3.3.0080.0.0012	12	0.80	11.9	118.0	204	500/1000
3.645.1.3.3.0080.0.0014	14	0.80	12.9	136.8	239	500/1000
3.645.1.3.3.0080.0.0016	16	0.80	13.6	155.7	268	500/1000
3.645.1.3.3.0080.0.0020	20	0.80	15.1	193.4	326	500/1000
3.645.1.3.3.0080.0.0024	24	0.80	16.4	231.1	388	500/1000
3.645.1.3.3.0080.0.0025	25	0.80	16.6	240.6	402	500/1000
3.645.1.3.3.0080.0.0030	30	0.80	21.3	287.7	491	500/1000
3.645.1.3.3.0080.0.0040	40	0.80	23.8	382.0	640	500/1000
3.645.1.3.3.0080.0.0050	50	0.80	26.3	476.4	780	500/1000
3.645.1.3.3.0080.0.0060	60	0.80	28.8	570.7	934	500/1000
3.645.1.3.3.0080.0.0080	80	0.80	32.3	759.3	1205	500/1000
3.645.1.3.3.0080.0.0100	100	0.80	36.7	947.9	1482	500/1000

J-H(St)H Lg

Part Number	Pair Count	Conductor Cross Section (mm)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.645.1.3.3.0100.0.0001	1	1.00	5.6	24.4	48	500/1000
3.645.1.3.3.0100.0.0002	2	1.00	6.4	40.8	72	500/1000
3.645.1.3.3.0100.0.0003	3	1.00	8.1	57.3	101	500/1000
3.645.1.3.3.0100.0.0004	4	1.00	9.8	73.7	131	500/1000
3.645.1.3.3.0100.0.0005	5	1.00	10.2	90.1	153	500/1000
3.645.1.3.3.0100.0.0006	6	1.00	12.4	106.6	184	500/1000
3.645.1.3.3.0100.0.0008	8	1.00	12.7	139.4	226	500/1000
3.645.1.3.3.0100.0.0010	10	1.00	13.1	172.2	268	500/1000
3.645.1.3.3.0100.0.0012	12	1.00	14.1	205.0	314	500/1000
3.645.1.3.3.0100.0.0014	14	1.00	15.3	237.8	367	500/1000
3.645.1.3.3.0100.0.0016	16	1.00	16.2	270.6	412	500/1000
3.645.1.3.3.0100.0.0020	20	1.00	17.9	336.2	504	500/1000
3.645.1.3.3.0100.0.0024	24	1.00	19.4	401.8	601	500/1000
3.645.1.3.3.0100.0.0025	25	1.00	20.0	418.3	634	500/1000
3.645.1.3.3.0100.0.0030	30	1.00	25.5	500.3	771	500/1000
3.645.1.3.3.0100.0.0040	40	1.00	28.5	664.3	1007	500/1000
3.645.1.3.3.0100.0.0050	50	1.00	31.7	828.4	1232	500/1000
3.645.1.3.3.0100.0.0060	60	1.00	34.5	992.4	1474	500/1000
3.645.1.3.3.0100.0.0080	80	1.00	38.8	1320.5	1911	500/1000
3.645.1.3.3.0100.0.0100	100	1.00	44.2	1648.6	2348	500/1000
3.644.1.3.3.0150.0.0001	1	1.50 mm ²	6.3	31.4	62	500/1000
3.644.1.3.3.0150.0.0002	2	1.50 mm ²	7.8	58.0	104	500/1000
3.644.1.3.3.0150.0.0003	3	1.50 mm ²	10.2	84.9	150	500/1000
3.644.1.3.3.0150.0.0004	4	1.50 mm ²	12.5	111.7	200	500/1000
3.644.1.3.3.0150.0.0005	5	1.50 mm ²	13.0	138.4	237	500/1000
3.644.1.3.3.0150.0.0006	6	1.50 mm ²	16.2	165.1	295	500/1000
3.644.1.3.3.0150.0.0008	8	1.50 mm ²	16.9	218.5	375	500/1000
3.644.1.3.3.0150.0.0010	10	1.50 mm ²	17.4	272.0	445	500/1000
3.644.1.3.3.0150.0.0020	20	1.50 mm ²	24.1	539.1	848	500/1000
3.644.1.3.3.0250.0.0001	1	2.50 mm ²	7.7	49.6	90	500/1000
3.644.1.3.3.0250.0.0002	2	2.50 mm ²	9.0	94.4	152	500/1000
3.644.1.3.3.0250.0.0003	3	2.50 mm ²	11.9	139.9	221	500/1000
3.644.1.3.3.0250.0.0004	4	2.50 mm ²	14.4	185.0	292	500/1000
3.644.1.3.3.0250.0.0005	5	2.50 mm ²	15.1	230.0	350	500/1000
3.644.1.3.3.0250.0.0006	6	2.50 mm ²	18.9	275.1	432	500/1000
3.644.1.3.3.0250.0.0008	8	2.50 mm ²	19.6	365.2	554	500/1000
3.644.1.3.3.0250.0.0010	10	2.50 mm ²	20.2	455.3	666	500/1000