



YY LSZH Control Flex (HLSH)



IEC 60754-1, IEC 60754-2
Burning behaviour, VDE 0482-332-1-1



APPLICATION

Halogen Free Flame-retardant cables are flexible in design and application for use in any environment where smoke and toxic fumes can cause danger to life. Examples of application include control, signalling, measurement, motor and robotics.

CONSTRUCTION

Conductor	Class 5 flexible copper conductor
Insulation	LSZH (low smoke and fume compound)
Sheath	LSZH (low smoke and fume compound)

CHARACTERISTICS

Voltage Rating (U ₀ /U)	300/500V
Temperature Rating	Fixed: -40°C to +70°C Flexing: -5°C to +70°C
Minimum Bending Radius	Fixed: 4 x overall diameter Flexing: 12.5 x overall diameter
Core Identification	2 core: Number coded 3 cores & above: number coded + green/yellow
Sheath Colour	Grey

- Available with colour coded cores



Premier Part No	number of cores	Nominal Cross Section mm ²	Nominal Diameter Overall mm	Nominal Weight kg/km	Nylon Cable Glands metric
04002X000.5	2	0.5	5.2	40	12
04002X000.75	2	0.75	5.7	48	12
04002X001	2	1	5.9	55	12
04002X001.5	2	1.5	7.1	79	20s
04002X002.5	2	2.5	8.3	114	20

Premier Part No	number of cores	Nominal Cross Section mm ²	Nominal Diameter Overall mm	Nominal Weight kg/km	Nylon Cable Glands metric
04003X000.5	3	0.5	5.5	47	12
04003X000.75	3	0.75	6.0	58	12
04003X001	3	1	6.2	67	12
04003X001.5	3	1.5	7.5	95	20s
04003X002.5	3	2.5	9.0	144	20
04003X004	3	4	10.9	214	20
04003X006	3	6	12.4	293	20I
04003X010	3	10	15.5	478	25
04003X016	3	16	18.4	706	32
04003X025	3	25	21.1	1080	32

Premier Part No	number of cores	Nominal Cross Section mm ²	Nominal Diameter Overall mm	Nominal Weight kg/km	Nylon Cable Glands metric
04004X000.5	4	0.5	5.9	57	12
04004X000.75	4	0.75	6.5	70	12
04004X001	4	1	7.0	85	20s
04004X001.5	4	1.5	8.2	117	20
04004X002.5	4	2.5	9.8	178	20
04004X004	4	4	11.9	265	20
04004X006	4	6	13.6	366	25
04004X010	4	10	17.2	608	25
04004X016	4	16	18.7	844	32
04004X025	4	25	23.6	1327	32
04004X035	4	35	27.2	1790	40

Premier Part No	number of cores	Nominal Cross Section mm ²	Nominal Diameter Overall mm	Nominal Weight kg/km	Nylon Cable Glands metric
04005X000.5	5	0.5	6.5	69	20s
04005X000.75	5	0.75	7.4	89	20s
04005X001	5	1	7.6	103	20s
04005X001.5	5	1.5	9.2	136	20
04005X002.5	5	2.5	11.1	213	20
04005X004	5	4	13.1	325	25
04005X006	5	6	15.1	454	25
04005X010	5	10	18.9	745	32
04005X016	5	16	22.2	1091	32
04005X025	5	25	29.0	1775	40
04005X035	5	35	30.3	2252	50s

Premier Part No	number of cores	Nominal Cross Section mm ²	Nominal Diameter Overall mm	Nominal Weight kg/km	Nylon Cable Glands metric
04007X000.5	7	0.5	7.3	88	20s
04007X000.75	7	0.75	8.0	110	20
04007X001	7	1	8.5	133	20
04007X001.5	7	1.5	10.0	184	20
01007X002.5	7	2.5	12.2	287	25

Premier Part No	number of cores	Nominal Cross Section mm ²	Nominal Diameter Overall mm	Nominal Weight kg/km	Nylon Cable Glands metric
04012X000.5	12	0.5	9.7	155	20
04012X000.75	12	0.75	10.9	179	20
04012X001	12	1	11.3	225	20
04012X001.5	12	1.5	13.6	302	25
01012X002.5	12	2.5	16.5	478	25

Premier Part No	number of cores	Nominal Cross Section mm ²	Nominal Diameter Overall mm	Nominal Weight kg/km	Nylon Cable Glands metric
04012X000.5	18	0.5	11.5	221	20
04012X000.75	18	0.75	12.9	230	25
04012X001	18	1	13.6	324	25
04012X001.5	18	1.5	16.3	446	25
01012X002.5	18	2.5	19.7	742	32

Premier Part No	number of cores	Nominal Cross Section mm ²	Nominal Diameter Overall mm	Nominal Weight kg/km	Nylon Cable Glands metric
04018X000.5	18	0.5	11.5	221	20
04018X000.75	18	0.75	12.9	230	25
04018X001	18	1	13.6	324	25
04018X001.5	18	1.5	16.3	446	25
04018X002.5	18	2.5	19.7	742	32

Premier Part No	number of cores	Nominal Cross Section mm ²	Nominal Diameter Overall mm	Nominal Weight kg/km	Nylon Cable Glands metric
04025X000.5	25	0.5	13.8	315	20
04025X000.75	25	0.75	15.5	372	25
04025X001	25	1	16.1	462	25
04025X001.5	25	1.5	19.5	627	32
04025X002.5	25	2.5	23.5	1043	32

Premier Part No	number of cores	Nominal Cross Section mm ²	Nominal Diameter Overall mm	Nominal Weight kg/km	Nylon Cable Glands metric
04034X000.5	34	0.5	15.8	385	25
04034X000.75	34	0.75	17.9	530	32
04034X001	34	1	19.7	660	32
04034X001.5	34	1.5	21.9	880	40
04034X002.5	34	2.5	28.0	1350	50

Electrical Characteristics

Nominal Cross Sectional Area mm ²	Current Carrying Capacities 30°C Continuous Loading amps	Maximum Resistance of Conductor ohms/km
0.5	9	39
0.75	12	26
1	15	19.5
1.5	18	13.3
2.5	26	7.98
4	34	4.95
6	44	3.3
10	61	1.91
16	82	1.21
25	108	0.78
35	135	0.554

The information contained within this data sheet is for guidance only.

Cable and gland sizes are nominal and may vary according to different manufacturer's tolerances.

Every possible effort is made to ensure that the information contained in this data sheet is correct.

However, we reserve the right to change the information or specification at any time in the light of technical developments or revisions.

References to or extracts from British Standards, current IEE regulations or other regulatory bodies should be verified with these organisations