



These flexible cables are designed for use in stage technology and for the connection of mobile equipment or machinery. Suitable for installation in dry or damp rooms and temporarily outdoors.

LSZH cables ensure increased safety in the case of fire due to the virtual elimination of toxic fumes if burnt. Pronounced advantages when compared to standard rubber cabling: low fire load, low smoke emission, reduced fire propagation.

Construction

fine stranded plain copper conductors
halogen free rubber compound core insulation
cores twisted together
black low smoke zero halogen (LSZH) rubber compound outer sheath

Technical

conductor stranding:	according to class 5 (VDE 0295 / IEC 60228 / BS EN 60228:2005)
bend radius:	4 x overall diameter (O/D) fixed, 6 x O/D flexing
voltage rating:	450/750V operating, 2500V test
current rating:	see Flexible Rubber 60°C chart
temperature range:	-5°C to +70°C flexible, -40°C to +70°C static
standards:	construction generally to VDE 0282 Part 13, HD 22.13 S1, CEI EN 50525-3-21, CEI 20-107/3-21, EN 50575:2014, EN 50575/A1:2016 flame retardant according to VDE 0482-266-2-4, IEC 60332-3-24 smoke emission according to DIN EN 61034, IEC 61034 halogen acid gas emission according to DIN EN 50267, IEC 60754
core identification:	2 core = coloured according to VDE 0293 without earth (green/yellow) 3-5 cores = coloured to VDE 0293 with earth (included in core count) 7+ cores = numbered black cores with earth (included in core count)

SINGLE CORE CABLES

Conductor Area (mm²)	Overall Diameter (mm)	Overall Weight(kg/km)	Conductor Area (mm²)	Overall Diameter (mm)	Overall Weight(kg/km)
1.5	6.8	63	25.0	15.6	420
2.5	7.6	76	35.0	17.9	530
4.0	8.7	107	50.0	20.5	750
6.0	9.5	140	70.0	23.3	983
10.0	11.7	230	95.0	25.9	1294
16.0	13.1	290	120.0	28.6	1580

H07ZZ-F single or multicore LSZH rubber flexible cable



SINGLE CORE CABLES

Conductor Area (mm ²)	Overall Diameter (mm)	Overall Weight(kg/km)	Conductor Area (mm ²)	Overall Diameter (mm)	Overall Weight(kg/km)
150.0	31.4	1950	300.0	40.2	3675
185.0	34.4	2342	400.0	44.9	4839
240.0	38.3	3074	500.0	49.8	6000

MULTICORE CABLES

Number of Cores	Conductor Area (mm ²)	Overall Diameter (mm)	Overall Weight (kg/km)	Number of Cores	Conductor Area (mm ²)	Overall Diameter (mm)	Overall Weight (kg/km)
2	1.0	9.2	112	18	2.5	29.3	1045
3	1.0	10.1	125	24	2.5	34.6	1325
4	1.0	11.1	170	27	2.5	36.2	1375
5	1.0	12.2	204	36	2.5	41.8	1949
2	1.5	10.2	134	2	4.0	14.2	253
3	1.5	11.9	144	3	4.0	16.2	330
4	1.5	12.9	195	4	4.0	17.7	385
5	1.5	14.2	240	5	4.0	19.8	487
7	1.5	19.1	352	7	4.0	38.4	697
12	1.5	22.4	586	12	4.0	30.9	1042
18	1.5	26.3	750	18	4.0	36.4	1430
24	1.5	30.7	935				
27	1.5	32.2	975	2	6.0	15.8	332
36	1.5	35.2	1297	3	6.0	17.9	436
52	1.5	43.1	1766	4	6.0	19.8	511
				5	6.0	22.1	633
2	2.5	12.2	190				
3	2.5	14.0	246	2	10.0	21.3	590
4	2.5	15.3	275	3	10.0	24.1	794
5	2.5	16.9	340	4	10.0	26.5	872
7	2.5	21.5	448	5	10.0	29.1	1080
12	2.5	26.2	724				

H07ZZ-F single or multicore LSZH rubber flexible cable



MULTICORE CABLES

Number of Cores	Conductor Area (mm ²)	Overall Diameter (mm)	Overall Weight (kg/km)	Number of Cores	Conductor Area (mm ²)	Overall Diameter (mm)	Overall Weight (kg/km)
2	16.0	24.5	820	3	95.0	53.9	4423
3	16.0	27.5	1137	4	95.0	60.9	5720
4	16.0	30.1	1227				
5	16.0	33.3	1522	3	120.0	59.8	5405
				4	120.0	65.8	6965
2	25.0	29.2	1159				
3	25.0	32.9	1670	3	150.0	65.7	6725
4	25.0	36.6	1822	4	150.0	72.7	8644
5	25.0	38.4	2280				
				3	185.0	71.9	8222
3	35.0	37.1	2156	4	185.0	80.1	10598
4	35.0	41.1	2357				
5	35.0	47.0	2700	3	240.0	81.8	10224
				4	240.0	86.4	13312
3	50.0	42.9	2550				
4	50.0	47.5	3253	3	300.0	89.8	12620
				4	300.0	96.5	15200
3	70.0	48.3	3210				
4	70.0	53.8	4306				

LSZH Properties: fairly tough & flexible material resistant to a wide range of oils & chemicals. Guarantees max. 0.5% HCL emissions if burnt. Also known as LSOH & LSHF (low smoke zero halogen/halogen free).

Not to be confused with LSF (low smoke and fume) for which may just mean modified PVC. There is no standard governing the hydrogen chloride (HCL) emissions of LSF so it may still be hazardous if burnt.

All measurements provided should be considered nominal and images for illustration purposes only. Although Central Cables Ltd has made every reasonable effort to ensure its accuracy, the information contained herein is subject to error or omission and to change without notice. In no event will Central Cables Ltd be liable for any damages whatsoever, arising in connection with the information described.