



These flexible general wiring cables are particularly suitable for use in public buildings or computer installations. They can also be referred to by harmonised code H05Z1Z1-F.

LSZH ensures increased safety in the case of fire due to the virtual elimination of toxic fumes if burnt.

Construction

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

Technical

references:	the * indicates the number of cores (e.g. 3183B = 3 core)
conductor stranding:	according to class 5 (IEC 60228 / BS EN 60228:2005)
voltage rating:	300/500V operating
temperature range:	0°C to +70°C flexible, -15°C to +70°C static
	should not be installed at temperature below 0°C
standards:	construction generally to BS EN 50525-3-11
	smoke emission according to EN 50268, IEC 61034
	flame retardant according to EN 50265, IEC 60332-1
	acid gas emission according to EN 50267-2, IEC 60754-2
core identification:	2 core = coloured brown & blue,
	3 core = brown, blue & green/yellow
	4 core = brown, black, grey & green/yellow
	5 core = brown, black, grey, blue & green/yellow
	6 core = brown, black, blue, red, white & green/yellow
	7 core = white, brown, black, green, blue, red & yellow
	<u>or</u> white, brown, black, grey, blue, red & green/yellow

Number of Conductors (ref)	Conductor Area (mm²)	Cable Overall Diameter (mm)	Cable Overall Weight (kg/km)
2 (3182B)	0.75	6.8	60
2 (3182B)	1.0	7.2	71
2 (3182B)	1.5	8.2	97
2 (3182B)	2.5	9.9	150



Number of Conductors (ref)	Conductor Area (mm ²)	Cable Overall Diameter (mm)	Cable Overall Weight (kg/km)
3 (3183B)	0.75	7.2	70
3 (3183B)	1.0	7.6	84
3 (3183B)	1.5	8.9	120
3 (3183B)	2.5	10.8	184
4 (3184B)	0.75	7.7	85
4 (3184B)	1.0	8.5	106
4 (3184B)	1.5	10.0	150
4 (3184B)	2.5	11.3	228
5 (3185B)	0.75	8.5	112
5 (3185B)	1.0	9.1	134
5 (3185B)	1.5	11.0	182
5 (3185B)	2.5	12.8	270
6 (3186B)	0.75	9.5	123
6 (3186B)	1.0	9.8	140
6 (3186B)	1.5	10.1	209
7 (3187B)	0.75	9.8	132
7 (3187B)	1.0	10.1	153
7 (3187B)	1.5	10.9	366

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.

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