



These general signal cables are used to interconnect equipment in fixed installations.

White versions are suitable for internal use only.  
Black versions are suitable for internal or above ground external use (e.g. clipped to walls) but not for submersed, ducted or underground use.

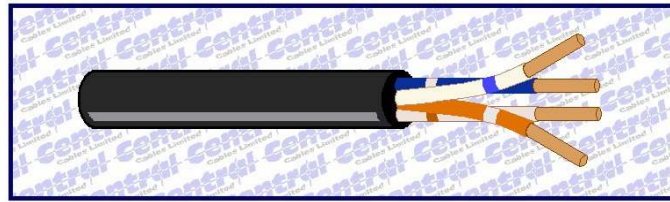
LSF cables emit reduced toxic fumes & LSZH cables provide further increased safety in the case of fire.

**Construction**

solid tinned or plain copper conductors  
core insulation material matches outer sheath  
cores twisted into pairs with optional earth  
black or white outer sheath, material varies

<b><u>Technical</u></b>	
conductor stranding:	standard cores = 1x 0.5mm diameter (0.2mm <sup>2</sup> area) earth (if present) = 1x 1.38mm diameter (0.6mm <sup>2</sup> area)
sheath materials:	PVC = polyvinylchloride (black or white) LSF = low smoke & fume (white only) LSZH = low smoke zero halogen (white only)
bend radius:	8 x overall diameter fixed
capacitance:	500pF/Km maximum
resistance @ 20°C:	standard cores = 97.8 Ω/km maximum earth (if present) = 12.4 Ω/km maximum
temperature range:	0°C to +70°C operating
standards:	construction generally to British Telecom CW1308 flame retardant according to EN 50265-2-1, IEC 60332-1
core identification:	coloured according to the Western Electrical chart

Number of Pairs	Overall Diameter (mm)	Overall Weight (kg/km)		Number of Pairs	Overall Diameter (mm)	Overall Weight (kg/km)
2	4.5	21		6	6.8	44
3	5.0	28		10	8.3	67
4	5.8	34		10+Earth	8.6	85



Number of Pairs	Overall Diameter (mm)	Overall Weight (kg/km)	Number of Pairs	Overall Diameter (mm)	Overall Weight (kg/km)
15	9.8	115	40+ Earth	371	15.0
20	10.7	150	50+ Earth	427	17.0
25	11.4	184	80+ Earth	610	20.2
25+ Earth	210	12.0	100+ Earth	708	27.0
30	226	12.2	160+ Earth	1059	30.3
30+ Earth	262	12.9	200+ Earth	1393	33.1

**PVC, LSF or LSZH Properties:** fairly tough & flexible materials resistant to a wide range of oils & chemicals. The primary difference between them is the levels of toxic chemicals produced in the case of a fire.

Standard PVC (polyvinylchloride) will emit around 28% HCL (hydrogen chloride) if burnt.

LSF (low smoke & fume) offers reduced smoke emission compared with standard PVC, however there is no standard governing the HCL emissions of LSF so it may still be hazardous if burnt.

LSZH, LSOH, LSHF (low smoke zero halogen/halogen free) guarantees max. 0.5% HCL emissions 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.**