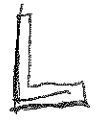


STANDARD TOWER TYPES UTILISED IN THE UK FOR 132kV AND ABOVE

ORIGINAL TYPE	DESIGN VOLTAGE	PHASE CONDUCTOR	EARTHWIRE	COMMENTS	NEAREST AVAILABLE SUBSTITUTE
CS-PL1	132kV	1x175 sq mm ACSR (Lynx)	1x70 sq mm ACSR (Horse)	DC and SC versions available	PL1(m)/L4(m)
SS-PL1	132kV	1x175 sq mm ACSR (Lynx)	1x70 sq mm ACSR (Horse)	DC and SC versions available	PL1(m)/L4(m)
PL1(m)	132kV			Metricated version of PL1	n/a
PL1c	132kV	1x175 sq mm ACSR (Lynx)	1x70 sq mm ACSR (Horse)		L4(m)
WGR (or PL4)	132kV	1x175 sq mm ACSR (Lynx)	1x70 sq mm ACSR (Horse)		L4(m)
L132 (1840)	132kV	1x175 sq mm ACSR (Lynx)	1x70 sq mm ACSR (Horse)		L4(m)
J.LEVE	132kV	1x400 sq mm ACSR (Zebra)	1x70 sq mm ACSR (Horse)		L4(m)/L7
STL1	132kV	1x175 sq mm ACSR (Lynx)	1x70 sq mm ACSR (Horse)	SC flat formation, no earthwire	PL1(m)/L4(m)
OL16	132kV	1x175 sq mm ACSR (Lynx)	1x70 sq mm ACSR (Horse)	SC folded plate construction	PL1(m)/L4(m)
L1 (or L66)	275kV	2x175 sq mm ACSR (Lynx)	1x175 sq mm ACSR (Lynx)		L8
L2	275/400kV	2x400 sq mm ACSR (Zebra)	1x175 sq mm ACSR (Lynx)		L8
L2/1	275/400kV	2x500 sq mm ACAR (Collybie)	1x175 sq mm ACSR (Lynx)		L8
L2/2	275/400kV	2x500 sq mm AAAC (Rubus)	1x160 sq mm AACSR (Keziah)		L8
L2/3	275/400kV	2x425 sq mm AAAC (Totara)	1x160 sq mm AACSR (Keziah)		L8
L2/4	275/400kV	2x570 sq mm AAAC (Sorbus)	1x160 sq mm AACSR (Keziah)		L8
L3	275kV	2x175 sq mm ACSR (Lynx)	1x175 sq mm ACSR (Lynx)		L3(c)
L3/1	275kV	1x700 sq mm AAAC (Araucaria)	1x160 sq mm AACSR (Keziah)		L3(c)
L3(c)	275kV			Metric conversion of Imperial L3	
L4(m)	132kV	1x175 sq mm ACSR (Lynx)	1x70mm ACSR (Horse)		n/a
L4(m)/1	132kV	1x400 sq mm ACSR (Zebra)	1x175 sq mm ACSR (Lynx)		n/a
L4(m)/2	132kV	1x300 sq mm AAAC (Upas)	1x70mm ACSR (Horse)		n/a
L6	400kV	4x400 sq mm ACSR (Zebra)	1x400 sq mm ACSR (Zebra)		L6(m)/L12A (Note 6)
L6/1	400kV	2x400 sq mm ACSR (Zebra)	1x400 sq mm ACSR (Zebra)		L6(m)/L12A (Note 6)
L6/2	400kV	2x700 sq mm AAAC (Araucaria)	1x425 sq mm AAAC (Totara)		L6(m)/L12A (Note 6)
L6/4	400kV	2x850 sq mm AAAC (Redwood)	1x160 sq mm AACSR (Keziah)		L6(m)/L12A/1 (Note 6)
L6(m)	400kV			Metricated L6	
L7	132kV	2x175 sq mm ACSR (Lynx)	1x175 sq mm ACSR (Lynx)		L7(c)
L7/1	132kV	1x400 sq mm ACSR (Zebra)	1x175 sq mm ACSR (Lynx)		L7(c)
L7/2	132kV	2x400 sq mm ACSR (Zebra)	1x175 sq mm ACSR (Lynx)		L7(c)
L7/3	132kV	1x550 sq mm ACSR (Finch)	1x175 sq mm ACSR (Lynx)		L7(c)
L7/4	132kV	1x500 sq mm AAAC (Rubus)	1x160 sq mm AACSR (Keziah)		L7(c)
L7/5	132kV	2x300 sq mm AAAC (Upas)	1x70mm ACSR (Horse)		L7(c)
L7(c)	132kV			Metric conversion of Imperial L7	n/a
L8	400kV	2x400 sq mm ACSR (Zebra)	1x175 sq mm ACSR (Lynx)		L8(m)
L8/1	400kV	2x500 sq mm ACAR (Collybie)	1x175 sq mm ACSR (Lynx)		L8(m)
L8/2	400kV	2x500 sq mm AAAC (Rubus)	1x160 sq mm AACSR (Keziah)		L8(m)
L8(c)	400kV			Metric conversion of Imperial L8	L8(m)
L8(m)	400kV			Metricated L8	n/a
L9	400kV	4x400 sq mm ACSR (Zebra)	1x400 sq mm ACSR (Zebra)		L9 tower series not complete
L9/1	400kV	2x400 sq mm ACSR (Zebra)	1x400 sq mm ACSR (Zebra)		none
L9(c)	400kV			Metric conversion of Imperial L9	none
L12	400kV	2x700 sq mm AAAC (Araucaria)	1x425 sq mm AAAC (Totara)		L12A
L12A	400kV	2x700 sq mm AAAC (Araucaria)	1x160 sq mm AACSR (Keziah)		n/a
L12A/1	400kV	2x850 sq mm AAAC (Redwood)	1x160 sq mm AACSR (Keziah)		n/a
L12Q	400kV			Quad circuit tower	n/a
L12L	400kV	2x850 sq mm AAAC (Redwood)	1x160 sq mm AACSR (Keziah)	Low profile tower	n/a
Contract Specific					
T1848	275/400kV	2x400 sq mm ACSR (Zebra)	1x175 sq mm ACSR (Lynx)	L2 derivative	L8(m)
NIE	275kV	1x500 sq mm AAAC (Rubus)	2x175 sq mm ACSR (Lynx)	Flat formation L3 derivative	n/a



Notes:-

- 1 It should be noted that the above information is for guidance only and specific applications should be referred to the overhead line group.
- 2 Additional conductor combinations are also available.
- 3 Conductors - ACSR - Aluminium conductor, steel reinforced
AAAC - All aluminium alloy conductor
AACSR - Aluminium alloy conductor, steel reinforced
ACAR - Aluminium conductor, alloy reinforced
- 4 The suffix "R" following a tower type denotes rotated bundle construction
- 5 The suffix "U" to L2 denotes insulation uprated to 400kV working
- 6 Certain steelwork is no longer available for L6 towers and the L12A equivalent can only be used under specific circumstances