



OSM/EE DECISION SHEET

Category	Standard:	Clause	Document no.
ITAV	EN IEC 62368-1:2020 + A11:2020	5.6.4	23/3
Subject	Key words		Meeting
Size of protective bonding conductor	Bonding conductor Table 31		Copenhagen 12-13 April 2023
Question			
For wire Cross Section Area stated in table 31 (mm ²), is linear interpolation permitted?			
Decision			
OSM-EE is of the opinion that linear interpolation of table 31 for mm ² could be allowed. OSM-EE will forward the question to TC108 HSBDT for confirmation			
Explanatory notes			
<p>Example:</p> <p>Manufacturer is using AWG10 (5,26mm²) protective bonding conductor in the equipment rated 47A. Is the size in line with table 31?</p> <p>Protective bonding conductor of size 4,0mm² is required for currents up to 40A and 6,0mm² is required for currents up to 63A.</p> <p>Table 31 linear interpolation calculation for 47A gives min. 4.6 mm².</p> <p>Table 31 states that AWG and kcmil sizes are provided for information only. It also states that cross-sectional areas in the table have been rounded to show significant figures only. Therefore it can be read that linear interpolation might be allowed.</p>			