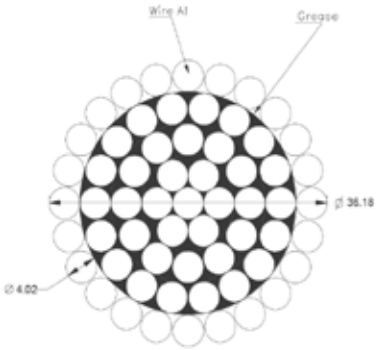
AAC 774 mm² Stormhatt

Guaranteed technical characteristics for AAC 774-AL1 conductor according to EN 50182

No.	Description	Unit	Size	Comments
1	*Producer*		**FPE S.A. Będzin**	
2	*Manufactured according to EN 50182*		***774-AL1***	
3	*Diameter of conductor*	mm	**36,18 ± 0,36**	
4	*Cross sectional area of conductor*	mm^2	**774,23**	
5	*Number of wires in:*	szt.	**61**	
6	*Diameter of wires*	mm	**4,02 ± 0,04**	
7	*Charasteristics of wires:* *- tensile stress* *- resistivity, maximum at 20°C max.*	 N/mm^2 nΩm	 **160** **28,264**	
8	*Equivalent coefficient of thermal linear expansion of the complete cable*	$[K^{-1}]\times10^{-6}$	**23,0**	
9	*Equivalent elastic modulus (final) of the complete cable*	MPa	**58300**	
10	*Calculated Resistance at 20 °C*	Ω/km	**0,0374**	
11	*Calculated Resistance at 25 °C*	Ω/km	**0,0381**	
12	*Calculated Resistance at 75 °C*	Ω/km	**0,0456**	
13	*Current carent capacity* *- summer (t1=30°C, t2=80°C, wind speed 0,5m/s, solar absorbtion 1000W)* *- winter (t1=20°C, t2=80°C, wind speed 0,5m/s, solar absorbtion 770W)*	 A A	 **1296** **1479**	
14	*Calculated Breaking Load, min*	kN	**123,88**	
15	*Weight of conductor/ Weight of grase*	kg/km	**2142,1±42,8/106±21,2**	



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