



ACAR Cable Stress and Strain Characteristics

N° of wires Al/Al Alloy	Modulus of Elasticity			Coefficient of thermal linear expansion (°C ⁻¹)
	Initial lower (kgf/mm ²)	Initial upper (kgf/mm ²)	Final (kgf/mm ²)	
4/3	5625	4078	6469	23x10 ⁻⁶
15/4	4922	3516	6117	23x10 ⁻⁶
18/19	5203	3867	6047	23x10 ⁻⁶
24/13	4992	3516	5976	23x10 ⁻⁶
42/19	4640	3234	5836	23x10 ⁻⁶
54/37	4570	3164	5695	23x10 ⁻⁶