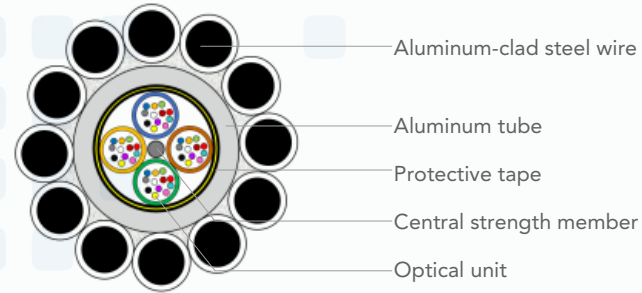




# OPGW Al-Core 48F G652D Al-clad59 OD484



## Dimensions and Properties

Structure	Position	Type of component	No. of component	Component diameter
	Fiber		G652D	48
Center		Al tube	1	7,30 mm
		20.3% Al-clad steel wire	3	2,50 mm
	1 <sup>st</sup> Outer Layer	40% Al-clad steel wire	9	2,50 mm

Technical Data	Compliant with IEC, IEEE standards				
	interior engrasada				
	La dirección de trenzado de la capa exterior es hacia la izquierda (trenzado en S)				
	Cable Diameter	12.30	mm	0,484	in
	Cable Weight	383	kg/km	1.359	lbs/mile
	Total supporting Cross Sectional area	76.12	mm <sup>2</sup>	0,12	in <sup>2</sup>
	Cross sectional area of Al-clad steel wire	58,90	mm <sup>2</sup>	0,09	in <sup>2</sup>
	Cross sectional area of Al tube	1 7.22	mm <sup>2</sup>	0.03	in <sup>2</sup>
	Rated Tensile Strength (RTS)	47,82	kN	10.750	lbs kpsi
	Modulus of Elasticity (E-Modulus)	107.3	kN/ mm <sup>2</sup>	24,122	/°F
	Thermal Elongation Coefficient	15,7 × 10 <sup>-6</sup>	/ o C	8,72 × 10 <sup>-6</sup>	psi
	Permissible Maximum Working Stress (40% RTS)	251.2	N / mm <sup>2</sup>	36.433	psi
	Everyday Stress (EDS) (16%~25% RTS)	100,5 ~ 157	N / mm <sup>2</sup>	14.576~22.7 71	Ω/mile
	DC Resistance (25oC)	0.574	Ω/km	0,92	
	Short Time Current (0.5s)			10.3	ka
Short Time Current Capacity (20oC~200oC)			53.1	ka <sup>2</sup> S	

**It is Time to Redefine  
High Quality Network**

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