

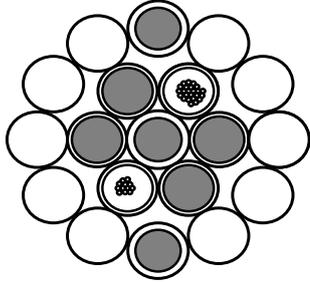


OPGW Cable Specifications

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Cable Type: OPGW - 2S 2 / 24+12 (M94 / R53 - 91)

Cross Section:



Fiber type: 36xG.652D

Design:			
	Name	No	Material Dia.
Center	20%ACSwire	1	2.70 mm
Layer1	20%ACSwire	4	2.65 mm
	AA(LHA2)wire	0	
	SUS Tube	2 / 24+12	2.60 mm
Layer2	20%ACSwire	0	2.65 mm
	AA(LHA2)wire	12	

Stranded:core and layer1 greased	
stranding direction of outer layer is "right" hand(Z-stranding)	
Cable Diameter	13.30 mm
Cable Weight	408 kg/km

Technical Data:	according to: IEEE 1138 standards	
	Supporting Cross Section	93.97 mm ²
	Section of ACS Wire / AA Wire	27.79 / 66.19 mm ²
	Rate Tensile Strength (RTS)	53.0 kN
	Modulus of Elasticity (E-Modulus)	93.7 kN/mm ²
	Thermal Elongation Coefficient	17.9 10 ⁻⁶ /°C
	Permissible Maximum Working Stress(MAT) (40%RTS)	225.8 N/mm ²
	Everyday Stress (EDS) (16%~25%RTS)	90.3 ~ 141.1 N/mm ²
	Strain Margin Stress (60%RTS)	338.6 N/mm ²
	DC Resistance (20 °C)	0.431 Ω /km
	Short Circuit Current (1s, 20°C~200°C)	9.52 kA
	Short Circuit Current Capacity (20°C~200°C) (I _{2t})	90.60 kA ² s
	Minimum Bending Radius (installation)	≥ 333 mm
	Installation Tensile Strength (≤20%RTS)	≤10.6 kN
	Temperature Range:	Installation
Transportation and Operation		-40°C ~ +80 °C

Remarks: All Sizes and Values are Nominal Values
 2 / 24+12 - Tubes / Fibers of Tube
 M94 - Supporting Cross Section
 R53 - Rate Tensile Strength (RTS)
 91 - Short Circuit Current Capacity (20°C~200°C)

2018/8/7		OPGW	zjm_No:39N	Cathy
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