

# OPGW Cable-24B1-111 [47.5;125.0]

## OPGW Cable in Nepal

OPGW Cable-24B1-111 [47.5;125.0]

### Details

Technical Data	according to IEC, IEEE, DL/T 832, GB/T 7424.4 standards		
	stranding direction of outer layer is right hand(Z-stranding)		
	Cable Diameter	14.10	mm
	Cable Weight	400	kg/km
	Supporting Cross Section	111.3	mm <sup>2</sup>
	Section of AS Wire	37.39 mm <sup>2</sup>	
	Section of AA Wire	73.89 mm <sup>2</sup>	UTS 49.1 KN
	Rate Tensile Strength (RTS)	47.5	KN
	Modulus of Elasticity (E-Modulus)	79.8	kN/mm <sup>2</sup>
	Thermal Elongation Coefficient	19.6	×10-6/?
	Permissible Maximum Working Stress (40% RTS)	170.9	N/mm <sup>2</sup>
	Everyday Stress?EDS) (18%~25% RTS)	77 ~106.8	N/mm <sup>2</sup>
	Ultimate Exceptional Stress (60% RTS)	256.4	N/mm <sup>2</sup>
	DC Resistance	0.348	?/km
	Short Time Current (1s, 40?~250?)	11.18	kA
	Short Time Current Capacity I <sub>2t</sub>	125.0	kA <sub>2S</sub>

Minimum Bending Radius Installation ?	282	mm	
Oprating?	211	mm	
Ratio between Pulling Weight	120:1	km	
Temperature Range:	Installation	-10? ~ +50	?
	Transportation and Operation	-40? ~ +80	?

The term "OPGW Cable-24B1-111 [47.5;125.0]" likely refers to a specific type of Optical Ground Wire (OPGW) cable. Here's a breakdown of what each part of the term typically represents:

1. **OPGW Cable:** This stands for Optical Ground Wire Cable. OPGW cables are used in overhead power transmission lines to simultaneously carry electrical power and serve as a medium for data transmission via optical fibers embedded within the cable.
2. **24B1:** This part likely refers to the cable's design or construction specification. It could indicate the number and arrangement of optical fibers within the cable. Without further context, it's challenging to provide a specific interpretation.
3. **111:** This could represent a specific model or variant of the OPGW cable. It might denote characteristics such as cable diameter, strength member type, or other design features.
4. **[47.5;125.0]:** This appears to denote the diameter range of the cable. The numbers within the brackets typically represent the minimum and maximum diameters of the cable in millimeters.

Overall, "OPGW Cable-24B1-111 [47.5;125.0]" likely describes a specific type or model of Optical Ground Wire cable with 24 optical fibers arranged in a certain configuration, designated as "111," and with a diameter range between 47.5mm and 125.0mm. opgw-cable-in-nepal with best quality and with guarantee now available in Nepal.