



Suzhou Furukawa Power Optic Cable Co., Ltd.

# OPGW DESIGN REQUIREMENTS

## Project Data

Customer Name	
Location of Project	
Quantity	
Required Date	

## General Design Data

1) Number of Fibers		
2) Maximum Allowable Diameter	mm	
3) Rated Breaking Strength	kgf or N	
4) Maximum Weight	kg/km	
5) Electrical Resistance @ 20degC	$\Omega$ / kM	
6a) Fault Current Rating	kA with secs. or kA <sup>2</sup> sec	
6b) Initial / Ambient temperature for fault current	deg C	
7) Sag-Tension Requirements:		
Span	meter or ft.	
Worst Loading Condition (temp./ice thickness / wind pressure)	deg C, mm & kg/sqm	
Maximum Sag at Worst Loading Condition	meter	
Maximum tension at Worst Loading Condition	kg or N	
Everyday condition (temp./ice thickness / wind pressure)	deg C, mm & kg/sqm	
Maximum sag at Everyday Condition	meter	
Maximum tension at Everyday Condition	kg or N	

## Optical Fiber Data

Optical Fiber Type	G652/G652C/G652D/G655	
Maximum Attenuation at		
1310nm	dB/km	
1550nm	dB/km	

Luxu Industry Zone, Linhu Economic District, Wujiang City,  
Jiangsu Province, 215211, China. Tel: 86-512-6327-3776 / Fax: 86-512-6327-1580