

Technical Data sheet of PLGS

No.	Item	Technical Data
1	EL wire pull strength	18Kg/40Lbs
2	EL wire bending strength	φ25mm/40times φ50mm/80times
3	EL wire bearing strength	100Kg/720Lbs
4	EL wire twisting angle	< 30/M
5	EL wire length	100 mtr.
6	EL wire diameter	φ5.2mm±0.2mm
7	EL wire color	Blue green
8	EL wire brightness	80cd/m ²
9	Modes of operation	Flash&Constant
10	EL wire working frequency	800Hz±50Hz
11	EL wire working voltage	90VAC±5VAC
12	EL wire working current	< 650mA
13	Battery (Main Power) Lead Acid storage	Rechargeable Battery 12VDC X 2pcs
14	Working time of System with rechargeable battery(Constant mode)	≤ 6 Hrs
15	Working time of System rechargeable battery(Flash mode)	≤10 Hrs
16	Charge Voltage of System rechargeable battery	110VAC~240VAC
17	Charge time of System rechargeable battery	> 10 Hrs
18	Dry battery to be used (Spare Power)	AA X16pcs
19	Working time of Dry battery	0.5 Hrs
20	CONTINUOUS DC MAIN POWER (CAR/TRUCK/BOAT BATTERY POWER)	12VDC/24VDC/36VDC
21	Operating voltage of interphone	7.5VDC
22	Operating time of interphone's battery	< 10 Hrs
23	Charge voltage of interphone's battery	120VAC or 220VAC(select)
24	Frequency of interphone	300Hz~3400Hz
25	Material of spool	Fire resistantABS
26	Material of protective case	Aluminum alloy
27	System weight(without case)	11.0Kg
28	System weight(with case)	21.5Kg
29	System size(without case)	410mm(L)x450mm(L)x220mm(W)

30	System size(with case)	560mm(L)x560mm(L)x250mm(W)
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POLAR LIGHT 2 HEAVY PULL EL WIRE (Special TPU)

Chemical and Heat resistance, thermal stability, resistance to abrasion, fungi and permeability to gases and liquids comply with the properties of outward insulating coating made of TPU

(detailed list is available)

- **Waterproof**
- **Acids**
- **Salt solutions**
- **Oxidants**
- **Halogens**
- **Alcohols**
- **Chlorinated solvents**
- **Aliphatic hydrocarbons**
- **Petrol**
- **Flame Resistance UL94**

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