

# Your knight in shining armour.

OZOFLEX Light will stand up to the elements in the quest of bringing you power.



*"Your champion  
in harsh areas."*



# OZOFLEX Light will stand up to the elements in the quest of bringing you power.

OZOFLEX Light rubber cable can be applied in cold, wet as well as explosive environments. A perfect choice for transportable motors and machines on for example building sites or in agricultural work. Being both flexible and steadfast, OZOFLEX Light will gallantly persevere as your champion in the pursue of delivering power to harsh areas.

## OZOFLEX Light

### Application

Suitable for use in dry, humid or moist rooms and outdoor for transportable motors or machines on building sites or in agricultural works. The cable can handle medium mechanical stresses, e.g. for industrial and agricultural workshop appliances, large boiling installations, heating plates, inspection lamps, electric tools such as drills, circular saws, domestic electric tools. Also applicable in fixed installations e.g. on rough-cast in temporary buildings for accommodation purposes, also for wiring of constructional components in lifting appliances and machinery. Usage up to 1000 V A/C is permitted for fixed, protected installation (in conduit or in appliances) and also for motor connections of hoisting motors and the like.

When used in workshops having an explosive or flammable atmosphere, guidance should be respected with reference to EN 60079 series. The cables are not suitable for applications involving permanent immersion in water. In other aspects the specifications of DIN VDE 0298 part 300 apply. Oil resistant to EN 60811-404. Resistant to ozone (EN 50363-1 for insulation and EN 50363-2-1 for the outer sheath).

## MAIN FEATURES

- ✓ Cold resistant down to -25 °C
- ✓ Impact and abrasion resistant
- ✓ Flexible also at low temperatures
- ✓ Oil resistant in temporary installations
- ✓ Ozone, UV and moisture resistant



## OZOFLEX Light 450/750 V

Global data	
Brand	OZOFLEX Light
Type designation	H07RN-F
Standard	EN 50525-2-21
Flame retardancy	EN 60332-1-2
Construction characteristics	
Conductor	Bare copper, class 5
Insulation	Cross-linked rubber compound (EPR) E14 according to EN 50363-1
Core identification	DIN EN 50525-1
Inner sheath (jacket > 2.4 mm thick)	Vulcanized rubber compound, basis EPR, compound EM3 in accordance with EN 50363
Inner sheath colour	Light
Outer sheath	Vulcanized rubber compound, basis CPE, compound EM2 in accordance with EN 50363
Outer sheath colour	Black
Mechanical characteristics	
Mechanical resistance to impact	Medium mechanical stress
Cable flexibility	Very flexible
Min. bending radius	acc. to DIN VDE 0298-300
Usage characteristics	
Silicone free	Yes
Lead free	Yes
Moisture resistance	Yes
Chemical resistance	Temporary
Sea water resistance	Good
Oil resistance	Yes
UV resistant	Yes
Ozone resistance	Yes
Operating temperature	-25 °C - +60 °C
Max. conductor temperature in service	90 °C
CPR class	E <sub>ca</sub>
RoHS compliant	Yes
Thermal parameters	
Max. operating temperature of conductor	60 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature fixed installation	-40 °C
Minimum installation temperature flexible installation	-25 °C

Please check our homepage: [www.prysmiangroup.hu](http://www.prysmiangroup.hu) for more details.

Technical data, dimensions and weights are subject to change. All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result. The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.

OZOFLEX Light 450/750 V		
Number of cores x cross section	Outer diameter max. mm	Weight (approx.) kg/km
1x1.5	5.9	49
1x2.5	6.5	65
1x4	7.4	89
1x6	8.2	115
1x10	10	180
1x16	11.2	248
1x25	13	356
1x35	15	482
1x50	17.8	677
1x70	20.1	917
1x95	22.7	1175
1x120	25.1	1475
1x150	27.6	1819
1x185	30.1	2166
1x240	33.4	2791
1x300	36.6	3430
2x1.0	8.1	87
2x1.5	9.4	118
2x2.5	11.2	172
2x4	13	238
2x6	13.7	285
2x10	18.7	540
2x16	21.2	731
2x25	24.9	1049
2x35	28.5	1395
2x50	33.8	1971
2x70	38.4	2640
2x95	43.6	3395
3G1.0	8.8	105
3G1.5	9.8	134
3G2.5	11.5	192
3G4	13.2	267
3G6	14.7	351
3G10	20	667
3G16	22.7	912
3G25	26.7	1317
3G35	30.7	1770
3G50	36.3	2495
3G70	41.1	3338
3G95	46.8	4312
3G120	51.6	5375
3G150	56.8	6621
3G185	62.1	7896

For quotations don't hesitate to contact our sales team.

OZOFLEX Light 450/750 V		
Number of cores x cross section	Outer diameter max. mm	Weight (approx.) kg/km
4G1.0	9.7	130
4G1.5	10.7	166
4G2.5	12.6	240
4G4	14.5	335
4G6	16.3	448
4G10	21.9	820
4G16	24.8	1127
4G25	29.6	1663
4G35	34	2235
4G50	40.2	3149
4G70	45.7	4245
4G95	52.3	5522
4G120	57.2	6826
4G150	63.2	8477
4G185	69.2	10131
5G1.0	10.7	159
5G1.5	11.8	201
5G2.5	13.8	290
5G4	16.2	412
5G6	18.2	550
5G10	24.1	990
5G16	27.5	1379
5G25	32.8	2029
5G35	37.4	2708
5G50	44.7	3899
5G70	50.9	5273
5G95	57.9	6815
5G120	63.2	8406
6G1.5	14.1	285
6G2.5	16.3	400
6G4	18.9	557
7G1.5	15.2	329
7G2.5	17.6	458
7G4	20.6	652
12G1.5	18.5	489
12G2.5	21.4	691
12G4	25.1	993
18G1.5	21.6	683
18G2.5	25.2	981
18G4	29.6	1406
24G1.5	25.3	899
24G2.5	29.7	1303
36G1.5	28.9	1241
36G2.5	34.1	1821

## Linking the future

### Prysmian Group

Prysmian MKM Kft.  
Ph: +36 1 382 2222  
E-mail: [infocables-hu@prysmiangroup.com](mailto:infocables-hu@prysmiangroup.com)  
[www.prysmiangroup.hu](http://www.prysmiangroup.hu)

