

Prysmian
Group

Braced for impact!

OZOFLEX™ is prepared for heavy beatings.



OZO FLEX™

 **PRYSMIAN**
 **Draka**
 **General Cable**

OZOFLEX™ is prepared for heavy beatings.

Highly flexible and extremely impact resistant our new German made rubber cable OZOFLEX™ is the perfect choice for heavy industries and other harsh environments. Marked with the VDE label and armoured to the teeth, OZOFLEX™ is ready to rumble. When the going gets tough, OZOFLEX™ will keep you going.

OZOFLEX H07RN-F 450/750 V

Application

Heavy-duty OZOFLEX™ rubber cables are the perfect choice for dry as well as humid or moist environments, both in- and outdoors. From factory floors and construction sites to sports events and outside music concerts where the cable is lying unprotected directly on the ground. OZOFLEX™ is also highly suitable for industrial and agricultural workshop appliances, large boiling installations and environments housing explosive goods. These extremely flexible and hardwearing cables can as easily handle transportable motors or machines on building sites or in agricultural workings. In addition we recommend these flexible rubber cables for everything from heating plates and inspection lamps to electric tools such as drills, circular saws and domestic electric apparatus.

OZOFLEX™ cables are also appropriate for fixed installations such as on rough-cast in temporary buildings and huts for accommodation purposes as well as for wiring of constructional components in lifting appliances, machinery and alike. For fixed protected installation (in conduit or appliances) and connection of hoisting motors and similar use up to 1000 V AC is permitted.

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Prysmian Group is world leader in the energy and telecom cables and systems industry. With nearly 140 years of experience, sales exceeding €11 billion (pro-forma as of 31.12.2017), about 30,000 employees in over 50 countries and 112 plants, the Group is strongly positioned in high-tech markets and offers the widest possible range of products, services, technologies and know-how.



OIL RESISTANT



OZONE RESISTANT



RESISTANT TO MECHANICAL IMPACT



FLEXIBLE



WATER RESISTANT



CHEMICAL RESISTANT



MAX. CONDUCTOR TEMP. IN SERVICE 90 °C



MIN. CONDUCTOR TEMP. IN SERVICE -40 °C

OZOFLEX H07RN-F 450/750 V

Global data	
Brand	OZOFLEX
Type designation	H07RN-F
Standard	DIN EN 50525-2-21
Flame retardancy	DIN EN 60332-1-2
Construction characteristics	
Conductor	Bare copper, class 5
Isolation	German made special cross-linked elastomer, EI4
Core identification	DIN EN 50525-1
Inner sheath (jacket > 2.4 mm thick)	German made special rubber compound, EM2/EM3
Inner sheath colour	Grey
Outer sheath	German made special rubber compound, EM2
Outer sheath colour	Black
Mechanical characteristics	
Mechanical resistance to impact	Good
Cable flexibility	Very flexible
Fixed bending radius	D>12 mm: 4(xD); D < 12 mm: 3 (xD)
Flexible bending radius	D>12 mm: 6(xD); D < 12 mm: 4 (xD)
Usage characteristics	
Silicone free	Yes
Lead free	Yes
Water resistance	Good
Chemical resistance	Temporary
Sea water resistance	Good
Oil resistance	Yes
Ozone resistance	Yes
Operating temperature	-25 °C – +60 °C
Max. conductor temperature in service	90 °C
CPR class	E _{ca}
RoHS compliant	Yes
Thermal parameters	
For fixed and protected installation max.	90 °C
Max. short circuit temperature	250 °C
Ambient flex. application min.	-25 °C
Ambient flex. application max.	60 °C
Ambient temperature fixed installation min.	-40 °C
Ambient temperature fixed installation max.	90 °C

Please check our homepage: de.prysmiangroup.com for more details.

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OZOFLEX H07RN-F 450/750 V			
Number of cores x cross section	Part number	Outer diameter max. mm	Weight (approx.) kg/km
1x1,5	20006329	6.5	49
1x2,5	20003787	7.1	64
1x4	20003788	8	89
1x6	20003790	8.7	114
1x10	20003792	10.5	180
1x16	20003793	11.8	253
1x25	20003794	13.7	354
1x35	20003795	15.2	465
1x50	20003796	17.4	642
1x70	20003797	19.6	864
1x95	20003798	22.1	1117
1x120	20003799	24.4	1399
1x150	20003800	27.2	1729
1x185	20003801	29.8	2095
1x240	20003802	32.9	2684
1x300	20008215	37	3315
1x400	20006350	41.4	4285
2x1	20003805	8.6	83
2x1,5	20003806	9.6	106
2x2,5	20003808	11.2	152
2x4	20003809	12.8	213
2x6	-	14.5	278
3x1	20152886	9.3	102
3x1,5	20003937	10.3	131
3x2,5	-	12	195
3x4	-	13.9	270
3x6	20053665	15.6	355
3x10	20053666	21.1	635
3x16	20071108	25.2	950
3x25	20053999	27.9	1260
3x35	20003934	30.9	1651
3x50	20150742	35.6	2252
3x70	20077612	40.7	3131
3x95	20235631	46	3900
3G1	20003812	9.3	102
3G1,5	20003814	10.3	131
3G2,5	20003816	12	189
3G4	20003818	13.7	262
3G6	20003819	15.1	344
3G10	20003820	20.7	644
3G16	20003821	25.2	950
4G1	20003825	10.1	125

OZOFLEX H07RN-F 450/750 V			
Number of cores x cross section	Part number	Outer diameter max. mm	Weight (approx.) kg/km
4G1,5	20003826	11.3	159
4G2,5	20003828	13	231
4G4	20003830	14.9	329
4G6	20003832	16.7	440
4G10	20003834	22.4	799
4G16	20003835	25.4	1096
4G25	20003836	30.8	1627
4G35	20003837	34	2108
4G50	20003838	40	2908
4G70	20003839	44.9	3856
4G95	20003840	51.1	5062
4G120	20003841	56.5	6262
4G150	20016155	62.5	8688
4G185	20016356	68.4	9510
5G1	20003843	11.1	157
5G1,5	20003845	12.4	194
5G2,5	20003847	14.4	280
5G4	20003849	16.6	407
5G6	20003851	18.5	542
5G10	20003853	24.7	972
5G16	20003856	28.4	1352
5G25	20003857	34	1999
5G35	20003858	37.9	2554
5G50	20003859	43.7	3515
5G70	20003860	49.9	4831
5G95	20003861	56.8	6262
7G1,5	20003863	16.7	32
8G1,5	20172028	19.5	450
10G1,5	20003965	18.4	443
12G1,5	20003864	19.2	482
18G1,5	20003865	22.7	689
24G1,5	20003969	27.3	919
7G2,5	20003866	19.1	456
8G2,5	20165870	19.3	519
10G2,5	20003867	21.7	647
12G2,5	20003868	22.6	692
14G2,5	20003869	25.2	785
18G2,5	20003870	27.4	993
19G2,5	20003971	27.5	1105
24G2,5	20003871	31.8	1331
12G4	20003935	25.5	1000

Additional cross sections on request possible.

Linking the future

Prysmian Group

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