Good as gold!

OZOFLEX™ 90 is your heavyweight champ in harsh areas.

Prysmian Group

90 °C

OZOFLEX™ 90 is a true champion, tirelessly continuing to punch the power through to your applications even when the heat rises to 90 °C at the core.

VDE Approved

Worldwide, Verband der Elektrotechnik, Elektronik und Informationstechnik (VDE) marks on electrical products represent safety and security. Through the testing of electro technical products in a comprehensive, impartial and independent manner, the VDE Institute ensures the products' safety, electromagnetic compatibility and usability.

Traditional rubber

By using traditional rubber in the outer sheath, this heavyweight badass has become extremely resistant to any type of beating – while being both extraordinarily bendable and easy to strip.

OZOFLEX™90 is your heavyweight champ in harsh areas.

Our updated rubber cable OZOFLEX™ 90 beats the heat and keep on working up to 90 °C – while still staying highly flexible and extremely impact resistant. A perfect choice for heavy industries and other harsh environments. Marked with the VDE label and armoured to the teeth, OZOFLEX™ 90 is ready to rumble.

OZOFLEX™ 90

Application

Heavy-duty OZOFLEX™ 90 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™ 90 is also highly suitable for environments housing explosive goods. We also recommend the cable to be used in everything from heating plates and inspection lamps to electric tools and domestic electric apparatus.

OZOFLEX™ 90 cables are also appropriate for fixed installations in temporary buildings and huts for accommodation purposes as well as for wiring of constructional components in lifting appliances, machinery and alike. Usage up to 1000 V A/C is permitted.

MAIN FEATURES

- Max. conductor temperature in service 90 °C
- Min. ambient temperature fixed installation -40 °C
- VDE approved
- Outer sheath made of traditional rubber
- Impact and abrasion resistant
- Highly flexible also at low temperatures
- Easy to strip
- Oil, ozone, UV and moisture resistant

OZO FLEX™

OZOFLEX™ 90 450/750 V	
Global data	
Brand	OZOFLEX™ 90
Type designation	H07RN-F
Standard	DIN EN 50525-2-21
Flame retardancy	DIN EN 60332-1-2
Construction characteristics	
Conductor	Bare copper, class 5
Insulation	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
Moisture resistance	Yes
Chemical resistance	Temporary
Sea water resistance	Good
Oil resistance	Yes
UV resistant	Yes
Ozone resistance	Yes
Operating temperature	-25 °C up to +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: www.prysmiangroup.de for more details.

OZOFLEX™ 90 450/750 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™ 90 450/750 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.

COMMITTED TO QUALITY

Made in Neustadt

"Having total control over everything – from choice in raw materials to manufacturing, testing and transportation – right at our Centre of Excellence in Neustadt, we're able to guarantee highest possible quality in every aspect of OZOFLEX™ 90."

Daniel Heller, Business Channel Manager, Prysmian Group Germany

We've been making state-of-the art rubber cables in Neustadt, Germany, for more than 40 years. During all this time we've done what Germans do best: provided products and solutions based on avant-garde technology and in-depth understanding of our customers' needs. And OZOFLEX™ 90 is no exception. On the contrary. By making full use of our R&D team, we have made sure the cable not only is tough enough to handle the harshest of environments, it is surprisingly easy to handle, too.

It is not for nothing that German Art of Engineering is well-known throughout the world.

Do you want to know more?
Visit our website: www.prysmiangroup.de

Prysmian
Group

Linking the future

Prysmian Group

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