

Ready to dig in!

Our UL certified waste water cables love getting their hands dirty.



Prysmian
Group

Linking
the Future

UL 758 certified

The UL certificate ensures compliance and reduces liability and risk across the entire supply chain. Safe-to-use cables, simply speaking.

Water- proof

Our OZOFLEX (PLUS) waste water cables can be permanently submerged in water ranging from 500 to 2,000 meters.

Explosion- proof

All the cables are approved to be installed in, or associated with, explosive atmospheres according to DIN EN 60079-14-9.



Our UL certified waste water cables love getting their hands dirty.

OZOFLEX (PLUS) waste water cables are at their best under tough circumstances. UL compliant with both Canadian and U.S. requirements, suitable for permanent laying in water and available in round, flat and screened versions. Plus, as the cables are approved for explosion hazard areas, you know you're in for a safe ride.

WASTE WATER CABLES

Application

These cables are suitable for connections of electrical equipment, submerged in contaminated water under medium mechanical stress. Likewise for fire- and explosion-hazard areas acc. DIN EN 60079-14-9, explosion-protected pumps, construction sites acc. DIN VDE 0100 Part 704, open-cast mining and quarries acc. DIN VDE 0168, indoor, outdoor, in industry and agriculture, for sewage water tanks, on plaster, excavators or hoisting gears.

If permanently installed in protective conduits, electrical equipment, in well installations or as rotor circuit connections to motors, then with alternating voltage up to 1,000 V or a direct voltage up to 750 V against earth. The permissible AC voltage for motor tests is 3 kV for a max. duration of 3 minutes.

MAIN FEATURES

- ✓ UL 758 certified
- ✓ Suitable for permanent laying in water acc. to VDE 50525-2-21
- ✓ Ex protection acc. to DIN EN 60079-14-9
- ✓ Available in round, flat and screened versions
- ✓ High quality – Made in Germany

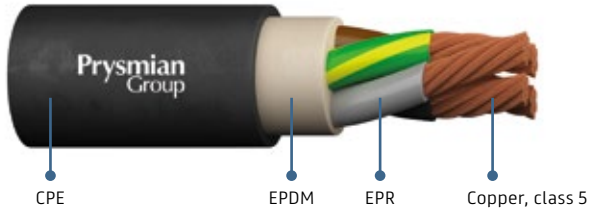
UL STANDARD 758

The UL certification is a genuine quality mark: UL inspects the product and its components in detail, analysing the full production process. In this way we meet the strict guidelines of the U.S. and Canadian market. The certification is preceded by strict, comprehensive inspections, which are repeated at regular intervals. UL inspectors visit the respective factory and check the manufacturing conditions and the quality of the produced components.

Any changes to components or production processes will entail a new certification process.

The UL certification ensures that our products meet the safety requirements of the U.S. and Canadian market in particular. Wholesalers and end users can be confident that they will receive a safe high quality product, which makes distribution much easier and, in many cases, possible in the first place.

OZOFLEX (PLUS) H07RN8-F 450/750 V



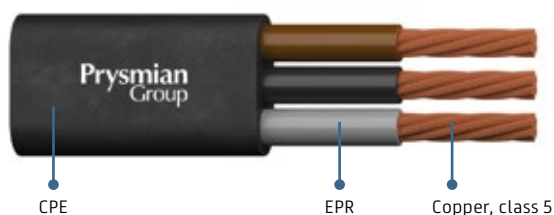
OZOFLEX (PLUS) H07RN8-F 450/750 V	
Global data	
Brand	OZOFLEX (PLUS)
Type designation	H07RN8-F
Shape	Round
Standards / Certifications	Based on EN 50525-2-21; cRUus Approval UL758 Style 4642 (File E42183)
Notes on installation	
Maximum submersing depth	2,000 meters
Design features	
Conductor	Bare copper, finely stranded class 5, DIN EN 60228; tinned: up to and including 6 mm ²
PE-Conductor	G = with gn/ye core
Insulation	Rubber compound EPR
Core identification	Up to 5 cores: DIN VDE 0293-308 From 6 cores: EN 50525-1 Annex D
Inner sheath	If applicable, rubber compound EPDM: special water-proof characteristics, preventing formation of water bubbles
Outer sheath	Rubber compound CPE
Electrical parameters	
Rated voltage	450/750 V
Max. permissible operating voltage AC	476/825 V
Max. permissible operating voltage DC	619/1238 V
AC test voltage – main cores	2500 V (15 min.)

OZOFLEX (PLUS) H07RN8-F 450/750 V	
Chemical parameters	
Performance against fire	DIN EN 60332-1-2
Oil resistance	DIN EN 60811-404
Water resistance	DIN EN 50525-2-21
Thermal parameters	
Max. operating temperature of the conductor	90 °C
Max. short circuit temperature of the conductor	250 °C
Max. permissible water temperature	40 °C
Ambient temperature for fixed installation min.	-40 °C
Ambient temperature in fully flexible operation min.	-25 °C
Mechanical parameters	
Max. tensile load on the conductor	15 N/mm ²
Bending radii min.	3x OD max. for fixed installation 4x OD max. for flex. installation

OZOFLEX (PLUS) H07RN8-F 450/750 V				
Number of cores x cross section	Part number	Outer diameter [mm]		Weight (approx.) [kg/km]
		min.	max.	
1x1.5	20008093	5.6	6.4	49
1x25	20064587	12.9	14.1	371
1x35	20003614	14.3	15.5	476
1x50	20003615	16.5	18	667
1x70	20003616	18.6	20.1	879
1x95	20003617	21.9	23.4	1180
1x120	20003618	23.4	24.9	1423
1x150	20003688	26.3	28.5	1804
1x185	20003683	28.5	30.7	2175
1x240	20003687	31.8	34	2804
1x300	20003684	35.1	37.3	3407
2x1.5	20041045	8.6	9.6	116
3G1	20003620	8.2	9	107
3G1.5	20003621	9.4	10.4	142
3G2.5	20007343	10.9	12.5	207
3x10	20113319	19.9	21.9	690
3x25	20114481	26.8	29.8	1373
3x35	20016655	30.3	33.3	1840
3x50	20003634	34.4	37.4	2412
3x70	20003635	39.1	42.1	3322
3x95	20151270	44.7	47.7	4150
3x120	20041913	47	51	5200
3x150	20195434	53	57	6740
4G1	20003681	9.3	10.3	139
4G1.5	20003622	10.2	11.8	177
4G2.5	20003623	12	13.6	251
4G4	20003624	13.8	15.4	344
4G6	20003625	16.1	18.1	481
4G10	20003626	21.2	23.2	841
4G16	20003627	25.3	28.3	1256
4G25	20003628	29.9	32.9	1812
4G35	20003629	33.7	36.7	2312
4G50	20003630	38.6	41.6	3011
4G70	20003631	43.7	46.7	4230
4G95	20003632	50.3	54.3	5536
4G120	20003633	54.6	58.6	6724
5G1.5	20003682	11.1	12.7	210
5G2.5	20007386	13.3	14.9	303
5G6	20065655	16.6	18.6	550
6G1	20003692	10.5	12	214
6G1.5	20003671	13.6	15.2	297
7G1.5	20003678	15.2	17.2	362
7G2.5	20003672	17.5	19.5	500
7G4	20003673	21	22	684
8G1.5	20118803	17.5	19.5	452
8G2.5	20014373	18.7	20.7	563
10G1.5	20003680	18	20	477
10G2.5	20003675	21	22.8	647
12G1.5	20003668	17.2	19.2	480
12G2.5	20003670	21.1	23.1	708

OZOFLEX (PLUS)

S07RN8H2-F 450/750 V



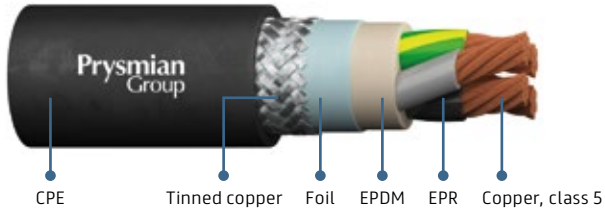
OZOFLEX (PLUS) S07RN8H2-F 450/750 V	
Global data	
Brand	OZOFLEX (PLUS)
Type designation	S07RN8H2-F
Shape	Flat
Standards / Certifications	Based on EN 50525-2-21; cRUus Approval UL758 Style 4642 (File E42183)
Notes on installation	
Maximum submersing depth	500 meters
Design features	
Conductor	Bare copper, finely stranded class 5, DIN EN 60228; tinned: up to and including 6 mm ²
PE-Conductor	G = with gn/ye core
Insulation	Rubber compound EPR
Core identification	DIN EN 50525-1
Outer sheath	Rubber compound CPE
Electrical parameters	
Rated voltage	450/750 V
Max. permissible operating voltage AC	476/825 V
Max. permissible operating voltage DC	619/1238 V
AC test voltage – main cores	2500 V (15 min.)

OZOFLEX (PLUS) S07RN8H2-F 450/750 V	
Chemical parameters	
Performance against fire	DIN EN 60332-1-2
Oil resistance	DIN EN 60811-404
Water resistance	DIN EN 50525-2-21
Thermal parameters	
Max. operating temperature of the conductor	90 °C
Max. short circuit temperature of the conductor	250 °C
Max. permissible water temperature	40 °C
Ambient temperature for fixed installation min.	-40 °C
Ambient temperature in fully flexible operation min.	-25 °C
Mechanical parameters	
Max. tensile load on the conductor	15 N/mm ²
Bending radii min.	3x OD max. for fixed installation 4x OD max. for flex. installation

OZOFLEX (PLUS) S07RN8H2-F 450/750 V						
Number of cores x cross section	Part number	Height [mm]		Width [mm]		Weight (approx.) [kg/km]
		min.	max.	min.	max.	
3x16	20008310	14.5	17	30.5	34	960
3x50	20008311	21.5	24	48	52	2470
3x25 + 1G25	20221798	17.5	19.5	48.6	51.6	1890
3x35 + 1G25	20173554	19.5	22	55	60	2425
3x50 + 1G25	20171193	22.5	24.5	64	68.5	3300
3x70 + 1G35	20167805	24	26	70	74	4150
3x95 + 1G50	20173553	27.5	29.5	78	82	5430
3x120 + 1G70	20167804	29.8	32.3	85	90	6570
3x185 + 1G95	20162336	36	39	102	107	9725

OZOFLEX (FC+)

S07RC4N8-F 450/750 V



OZOFLEX (FC+) S07RC4N8-F 450/750 V	
Global data	
Brand	OZOFLEX (FC+)
Type designation	S07RC4N8-F
Shape	Round
Standards / Certifications	Based on EN 50525-2-21; cRUUS Approval UL758 Style 4642 (File E42183)
Notes on installation	
Maximum submersing depth	500 meters
Design features	
Conductor	Bare copper, finely stranded class 5, DIN EN 60228; tinned: up to and including 6 mm ²
PE-Conductor	G = with gn/ye core
Insulation	Rubber compound EPR
Core identification	up to 5 cores: DIN VDE 0293-308; from 6 cores: EN 50525-1 Annex D
Inner sheath	If applicable, rubber compound EPDM: special water-proof characteristics, preventing formation of water bubbles
Screen	Braiding of tinned copper wires
Outer sheath	Rubber compound CPE

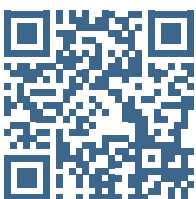
OZOFLEX (FC+) S07RC4N8-F 450/750 V	
Electrical parameters	
Rated voltage	450/750 V
Max. permissible operating voltage AC	476/825 V
Max. permissible operating voltage DC	619/1238 V
AC test voltage – main cores	2500 V (15 min.)
Chemical parameters	
Performance against fire	DIN EN 60332-1-2
Oil resistance	DIN EN 60811-404
Water resistance	DIN EN 50525-2-21
Thermal parameters	
Max. operating temperature of the conductor	90 °C
Max. short circuit temperature of the conductor	250 °C
Max. permissible water temp.	40 °C
Ambient temperature for fixed installation min.	-40 °C
Ambient temperature in fully flexible operation min.	-25 °C
Mechanical parameters	
Max. tensile load on the conductor	15 N/mm ²
Bending radii min.	4x OD max. for fixed installation 6x OD max. for flex. installation

OZOFLEX (FC+) S07RC4N8-F 450/750 V				
Number of cores x cross section	Part number	Outer diameter [mm]		Weight (approx.) [kg/km]
		min.	max.	
4G1.5	20004268	12.8	14.4	266
4G2.5	20004269	15.2	17.2	388
4G4	20004270	17	19	516
4G6	20004271	18.9	20.9	630
4G10	20008603	23.1	25.1	972
4G16	20004272	26.6	29.6	1447
4G25	20153416	31.8	34.8	2015
4G35	20004274	35.3	38.3	2539
4G50	20004275	40.5	43.5	3458
4G70	20057126	45.2	48.2	4586
4G95	20172910	50	54	5350
4G120	20025949	57	60.5	6780

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