



FLEXIDRUM® MEDIUM (N)TSCGECEWÖU WATER

From 1,8/3 Kv to 18/30 kV



For use in water!



Construction:

Conductor:	tinned copper flexible class 5, acc. to DIN VDE 0295
Insulation:	EPR compound 3GI3
Stranding of earth conductor:	with earth-conductor divided in three in the outer interstices
Electrical range control:	inner and outer semiconductive layer of semi-conductive rubber
Core identification:	POWER: natural with black semi-conductive rubber EARTH: black
Stranding:	three power conductor placed with earth-conductor divided in three in the outer interstices
Inner sheath:	EPR compound GM1b
Outer sheath:	RED PCP compound 5GM3

Technical data:

Rated voltage Uo/U Kv:	1,8/3 3,6/6 6//10 8,7/15 12/20 14/25 18/30
Max oper. voltage in A.C. systems Uo/U kV:	2,1/3,6 4,7/7,2 6,9/12 10,4/18 13,9/24 17,3/30 20,8/36
Max oper. voltage in A.C. systems Uo/U kV:	2,7/5,4 5,4/10,8 9/18 13,5/27 18/36 22,5/45 27/54
A.C. test voltage Kv:	6 11 17 24 29 36 43
Min. Bending radius:	see TABLES pag. 6/7 (Min. bending radius tables)
Temperature range	
Fixed installation:	- 40°C + 80°C
Flexible application:	- 25°C + 60°C
Max permissible water temp. :	+ 40°C
Max permissible temp. on conductor:	+ 90°C
Short circuit temp. of the conductor:	+ 250°C
Tensile load:	up to 15 N/mm ²
Torsional stress:	+/-100°/mm
Oil resistant:	acc. to DIN VDE 0473, part 811-2-1, par. 10, IEC-EN 60811-2-1
Fire resistant:	acc. to VDE 0482, part 332-1-2, IEC-EN 60332-1-2
Water resistant:	very good, acc. to HD 22.16
Weather resistant:	outdoors and indoors use ozone, UV and moisture resistant
Approvals on request:	Gost-R and others

Applications:

- ▶ Power supply cable for use in water: connection to dredgers, pumps, ect.
- ▶ High-mechanical stresses
- ▶ Use in waste water, salt water and salty water
- ▶ Cold version -50°C possible

1,8/3 kV

Part no.	No. of cores x cross-section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no. *)
07900363W	3x25+3x16/3	36,9	873,6	2180	1125	4
07900364W	3x35+3x16/3	39,5	1161,6	2610	1575	2
07900365W	3x50+3x25/3	43,8	1680,0	3330	2250	1
07900366W	3x70+3x35/3	49,1	2352,0	4370	3150	2/0
07900367W	3x95+3x50/3	55,3	3216,0	5660	4275	3/0
07900368W	3x120+3x70/3	58,6	4128,0	6725	5400	4/0
07900369W	3x150+3x70/3	62,6	4992,0	7820	6750	250 MCM
07900370W	3x185+3x95/3	68,2	6240,0	9435	8325	350 MCM



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3,6/6 kV

Part no.	No. of cores x cross-section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no. *)
07901363W	3x25+3x16/3	41,8	873,6	2625	1125	4
07901364W	3x35+3x16/3	44,3	1161,6	3080	1575	2
07901365W	3x50+3x25/3	47,3	1680,0	3695	2250	1
07901366W	3x70+3x35/3	54,7	2352,0	4984	3150	2/0
07901367W	3x95+3x50/3	57,9	3216,0	5972	4275	3/0
07901368W	3x120+3x70/3	61,2	4128,0	7051	5400	4/0
07901369W	3x150+3x70/3	66,9	4992,0	8469	6750	250 MCM
07901370W	3x185+3x95/3	70,8	6240,0	9855	8325	350 MCM

6/10 kV

Part no.	No. of cores x cross-section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no. *)
07902363W	3x25+3x16/3	43,5	873,6	2780	1125	4
07902364W	3x35+3x16/3	46,0	1161,6	3225	1575	2
07902365W	3x50+3x25/3	48,9	1680,0	3842	2250	1
07902366W	3x70+3x35/3	56,0	2352,0	5166	3150	2/0
07902367W	3x95+3x50/3	59,6	3216,0	6199	4275	3/0
07902368W	3x120+3x70/3	62,9	4128,0	7280	5400	4/0
07902369W	3x150+3x70/3	68,8	4992,0	8675	6750	250 MCM
07902370W	3x185+3x95/3	72,5	6240,0	10100	8325	350 MCM

8,7/15 kV

Part no.	No. of cores x cross-section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no. *)
07903363W	3x25+3x16/3	48,1	873,6	3230	1125	4
07903364W	3x35+3x16/3	50,7	1161,6	3715	1575	2
07903365W	3x50+3x25/3	55,5	1680,0	4630	2250	1
07903366W	3x70+3x35/3	60,7	2352,0	5793	3150	2/0
07903367W	3x95+3x50/3	66,1	3216,0	7111	4275	3/0
07903368W	3x120+3x70/3	69,4	4128,0	8262	5400	4/0
07903369W	3x150+3x70/3	73,3	4992,0	9418	6750	250 MCM
07903370W	3x185+3x95/3	78,9	6240,0	11175	8325	350 MCM



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12/20 kV

Part no.	No. of cores x cross-section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no. *)
07904363W	3x25+3x16/3	54,3	873,6	3970	1125	4
07904364W	3x35+3x16/3	56,7	1161,6	4470	1575	2
07904365W	3x50+3x25/3	59,6	1680,0	5185	2250	1
07904366W	3x70+3x35/3	66,8	2352,0	6645	3150	2/0
07904367W	3x95+3x50/3	70,4	3216,0	7750	4275	3/0
07904368W	3x120+3x70/3	73,6	4128,0	8920	5400	4/0
07904369W	3x150+3x70/3	79,2	4992,0	10510	6750	250 MCM
07904370W	3x185+3x95/3	82,9	6240,0	11975	8325	350 MCM

14/25 kV

Part no.	No. of cores x cross-section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no. *)
07905363W	3x25+3x16/3	59,5	873,6	4680	1125	4
07905364W	3x35+3x16/3	62,4	1161,6	5235	1575	2
07905365W	3x50+3x25/3	67,0	1680,0	6215	2250	1
07905366W	3x70+3x35/3	72,3	2352,0	7515	3150	2/0
07905367W	3x95+3x50/3	77,7	3216,0	8990	4275	3/0
07905368W	3x120+3x70/3	80,8	4128,0	10215	5400	4/0
07905369W	3x150+3x70/3	84,8	4992,0	11505	6750	250 MCM
07905370W	3x185+3x95/3	90,5	6240,0	13427	8325	350 MCM

18/30 kV

Part no.	No. of cores x cross-section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no. *)
07906363W	3x25+3x16/3	66,4	873,6	5638	1125	4
07906364W	3x35+3x16/3	70,1	1161,6	6241	1575	2
07906365W	3x50+3x25/3	72,1	1680,0	7045	2250	1
07906366W	3x70+3x35/3	80,0	2352,0	8722	3150	2/0
07906367W	3x95+3x50/3	82,8	3216,0	9917	4275	3/0
07906368W	3x120+3x70/3	85,9	4128,0	11189	5400	4/0
07906369W	3x150+3x70/3	91,7	4992,0	12902	6750	250 MCM
07906370W	3x185+3x95/3	95,4	6240,0	14470	8325	350 MCM

Other construction and sizes are available on request