

LOW VOLTAGE REELING CABLES

	CORDAFLEX (SMK)	TROMMELFLEX PUR HF	TROMMELFLEX (K)	EASYFLEX
Designation	(N)SHTOEU	D12Y11YU11Y	NSHTOEU	(N)7YRDGOEU
Dimension	Based on DIN VDE 0250 part 814	Optimized	Acc. to DIN VDE 0250 part 814	Optimized
Cores	Power: 3C+3G, 4C, 5C Control: multicores	Power: 4C, 5C Control: multicores	Power: 3C+3G, 4C, 5C Control: multicores	Power: 4C, 5C Control: multicores
Outer Sheath	Rubber	PUR	Rubber	EVA
Approvals	VDE Reg. GOST-R			
Tensile Load	30 N/mm ²	25 N/mm ²	15 N/mm ²	15 N/mm ²
Speed	240 m/min	180 m/min	120 m/min	80 m/min
Temp. (moving)	-35°C/+80°C (special to -45°C on request)	-40°C/+80°C	-25°C/+80°C	-35°/+80°C

CORDAFLEX(SMK) (N)SHTOEU

Low voltage reeling cable



Application

Flexible low voltage reeling cable for application under high and very high mechanical stresses.

Global data

Brand	CORDAFLEX(SMK)
Type designation	(N)SHTOEU-J/-O
Standard	Based on DIN VDE 0250-814
Certifications / Approvals	VDE Reg. Nr. 7519; GOST-R

Design features

Conductor	Electrolytic copper tinned, very finely stranded class FS
Insulation	PROTOLON MS Special compound based on high-quality EPR (min. 3GI3); improved mechanical and electrical characteristics.
Core identification	Best identification as a result of light colored insulation with numbers printed in black for power and control cables, earth conductor green-yellow colored.
Individual screen	Braid screen made of tinned copper wires. Transfer impedance optimized at 30 MHz. Surface covered: at least 60 % for shielded cores; at least 80 % for twisted and shielded pairs.
Core arrangement	Laid-up in a maximum of 3 layers
Sheath system	- PROTOFIRM Special - Inner sheath: High grade special compound based on PCP, color: yellow; - Anti-torsion braid: Reinforced braid made of polyester threads, in a vulcanized bond between the sheaths, resulting in a high strength of the sheath system; - PROTOFIRM Special - Outer sheath: A sheath system with a unique combination of flexibility and robustness has been achieved through the use of this structure. Abrasion and tear resistant special rubber compound based on PCP, color: yellow.
Marking	CORDAFLEX (SMK) (N)SHTOEU -J/-O (number of cores) x (cross section)+VDE Reg.-Nr.

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Max. permissible operating voltage AC	0.7/1.2 kV
Max. permissible operating voltage DC	0.9/1.8 kV
AC Test Voltage	3.5 kV (5 Min.)
Data transmission	With special elements: ASI-Bus, Profibus, CAN-Bus, Industrial Ethernet. Alternatively: Fibre optics for transmitting all bus protocols.
Current Carrying Capacity description	Acc. to DIN VDE 0298-4

Chemical parameters

Resistance to oil	Acc. to DIN EN 60811-404; DIN VDE 0473-811-404, paragraph 10
Weather resistance	Unrestricted use outdoors and indoors, resistant to ozone, UV and moisture.
Water resistance	Given and verified in long-term tests

Thermal parameters

Max. permissible temperature at conductor	90 °C
Max. short circuit temperature of the conductor	250 °C
Ambient temperature for fixed installation	min -50 °C ; max +80 °C
Ambient temperature in fully flexible operation	min -35 °C ; max +80 °C

Mechanical parameters

Max. tensile load on the conductor	30 N/mm ²
Torsional stress	± 50 °/m
Min. bending radius	Acc. to DIN VDE 0298 part 3
Min. distance with S-type directional changes	20 X D
Travel speed	- Gantry (reeling operation): no restriction. It is recommended to consult the manufacturer for speeds beyond 240m/min; - Trolley (festoon operation): up to 240 m/min.
Additional tests	Reversed bending test, roller bending test, torsional stress test.

Number of cores x cross section	Part number	MLFB Number	Conductor diameter max. mm	Outer diameter min. mm	Outer diameter max. mm	Bending radius free moving min. mm	Weight (ca.) kg/km	Permissible tensile force max. N	Conductor resistance at 20°C max. Ω/km	Current carrying capacity (1) A	Short Circuit Current (conductor) kA
(N)SHTOEU-J power cables, 3-core design, earth conductor split in three											
3x35+3x16/3	20004037	5DH3121	8.4	28.7	31.7	159	1990	3150	0.57	162	5.01
3x50+3x25/3	20004038	5DH3122	10.3	34.4	37.4	187	2810	4500	0.39	202	7.15
3x70+3x35/3	20004039	5DH3123	12	39.7	42.7	214	3860	6300	0.28	250	10.01
3x95+3x50/3	20004040	5DH3124	14	44.3	47.3	237	4950	8550	0.21	301	13.59
3x120+3x70/3	20004041	5DH3125	15.8	51	55	275	6440	10800	0.16	352	17.16
3x150+3x70/3	20004042	5DH3126	17.5	53.9	57.9	290	7500	13500	0.13	404	21.45
3x185+3x95/3	20004043	5DH3127	19.4	58.9	62.9	315	8990	16650	0.11	461	26.46
3x240+3x120/3	20004044	5DH3128	22.5	67.4	71.4	357	11940	21600	0.08	540	34.32
3x300+3x150/3	20051390	5DH3119	25.2	75.6	79.6	398	14740	27000	0.07	620	42.9
(N)SHTOEU-J power cables, 4-core design											
4x4	20004047	5DH3132	3	16	18	90	450	480	5.09	41	0.57
4x6	20004048	5DH3133	3.6	17.4	19.4	97	600	720	3.39	53	0.86
4x10	20004049	5DH3134	4.6	21.6	23.6	118	900	1200	1.95	74	1.43
4x16	20004050	5DH3135	5.6	23.7	26.7	134	1240	1920	1.24	99	2.29
4x25	20004051	5DH3136	7.3	28.5	31.5	158	1850	3000	0.8	131	3.58
(N)SHTOEU-J power cables, 5-core design											
5x4	20014479	5DH3151	3	17.4	19.4	97	550	600	5.09	41	0.57
5x6	20004056	5DH3152	3.6	19	21	105	690	900	3.39	53	0.86
5x10	20004057	5DH3153	4.6	23.4	25.4	127	1070	1500	1.95	74	1.43
5x16	20004058	5DH3154	5.6	26.1	29.1	146	1500	2400	1.24	99	2.29
5x25	20004059	5DH3155	7.3	33.7	36.7	184	2340	3750	0.8	131	3.58
(N)SHTOEU-J control cables											
3x1,5	20007588	5DH3129	1.6	11.7	13.3	67	210	130	13.7	23	0.21
4x1,5	20004045	5DH3130	1.6	12.2	13.8	69	240	180	13.7	23	0.21
5x1,5	20004052	5DH3140	1.6	13	14.6	73	280	220	13.7	23	0.21
7x1,5	20004054	5DH3142	1.6	15.2	17.2	86	390	310	13.7	23	0.21
12x1,5	20004061	5DH3161	1.6	21.4	23.4	117	720	540	13.7	23	0.21
18x1,5	20004062	5DH3162	1.6	21.3	23.3	117	770	810	13.7	23	0.21
24x1,5	20004063	5DH3163	1.6	23.8	26.8	134	1020	1080	13.7	23	0.21
30x1,5	20135223	5DH3164	1.6	26.5	29.5	148	1240	1350	13.7	23	0.21
36x1,5	20024745	5DH3165	1.6	26.5	29.5	148	1290	1620	13.7	23	0.21
44x1,5		5DH3166	1.6	29.5	32.5	163	1530	1980	13.7	23	0.21
56x1,5	20054721	5DH3167	1.6	35.9	38.9	195	2040	2520	13.7	23	0.21
3x2,5	20004036	5DH3111	2	12.7	14.3	72	270	220	8.21	30	0.36
4x2,5	20004046	5DH3131	2	13.2	14.8	74	300	300	8.21	30	0.36
5x2,5	20004053	5DH3141	2	14.2	15.8	79	350	370	8.21	30	0.36
7x2,5	20004055	5DH3143	2	16.6	18.6	93	500	520	8.21	30	0.36
12x2,5	20004064	5DH3171	2	23.4	25.4	127	910	900	8.21	30	0.36
18x2,5	20004065	5DH3172	2	23.3	25.3	127	1010	1350	8.21	30	0.36
24x2,5	20004066	5DH3173	2	26.2	29.2	146	1340	1800	8.21	30	0.36
30x2,5	20004067	5DH3174	2	29.4	32.4	162	1660	2250	8.21	30	0.36

Number of cores x cross section	Part number	MLFB Number	Conductor diameter max. mm	Outer diameter min. mm	Outer diameter max. mm	Bending radius free moving min. mm	Weight (ca.) kg/km	Permissible tensile force max. N	Conductor resistance at 20°C max. Ω/km	Current carrying capacity (1) A	Short Circuit Current (conductor) kA
36x2,5	20004068	5DH3175	2	30.3	33.3	167	1750	2700	8.21	30	0.36
44x2,5	20004069	5DH3176	2	34.1	37.1	186	2180	3300	8.21	30	0.36
56x2,5	20004070	5DH3177	2	40.1	43.1	216	2870	4200	8.21	30	0.36
(N)SHTOEU-O bus cables											
6x(2x0,5)C		5DH3187	0.9	23.1	25.1	126	885	180	40.1	10	0.07
3x(2x1)C	20004074	5DH3186	1.3	22	24	120	730	180	20	18	0.14
6x(2x1)C	20004075	5DH3188	1.3	28.9	31.9	160	1300	360	20	18	0.14
9x(2x1)C	20004076	5DH3189	1.3	39.3	42.3	212	2150	540	20	18	0.14
12x(2x1)C		5DH3206	1.3	38.9	40.9	205	2170	720	20	18	0.14
12x1(C)	20007925	5DH3183	1.3	22.9	25.9	130	880	360	20	18	0.14
(N)SHTOEU-J combined control cables											
12x2,5+12x1(C)	20004073	5DH3184	2	27.2	30.2	151	1280	900	8.21	30	0.36
19x2,5+5x1(C)	20004071	5DH3180	2	26.2	29.2	146	1310	1420	8.21	30	0.36
19x2,5+5x1,5(C)	20037707	5DH3222	2	31	34	170	1580	1420	8.21	30	0.36
25x2,5+5x1(C)	20004072	5DH3181	2	29.4	32.4	162	1640	1870	8.21	30	0.36
(N)SHTOEU-J control cables with FO											
24x1,5+6x(2G62,5)	20040297	5DH3257	1.6	26.6	29.6	148	1180	1080	13.7	23	0.21
24x1,5+6x(2G50)	20025841	5DH3255	1.6	26.6	29.6	148	1180	1080	13.7	23	0.21
24x1,5+12x(2xE9)	20025742	5DH3254	1.6	26.5	29.5	148	1200	1080	13.7	23	0.21
20x2,5+6x(3G62,5)	20070669	5DH3170	2	28.4	31.4	157	1280	1500	8.21	30	0.36
20x2,5+6x(3E9)	20004087	5DH3234	2	28.4	31.4	157	1290	1500	8.21	30	0.36
24x2,5+6x(2E9)	20040470	5DH3194	2	29.4	32.4	162	1520	1800	8.21	30	0.36
28x2,5+2x(3G50)	20009380	5DH3249	2	29.4	32.4	162	1590	2100	8.21	30	0.36
30x2,5+6x(3E9)	20154112	5DH3169	2	30.2	33.3	167	1640	2250	8.21	30	0.36

(1) Nominal current carrying capacity for rubber cables laid on a surface, at 30°C ambient temperature (see also VDE 0298-4, Table 15). Special designs upon request!

NOTES

TROMMELFLEX PUR-HF D12Y11YU11Y

Low voltage reeling cable PUR sheathed



Application

Flexible low voltage reeling cable for application under high mechanical stresses.

Global data

Brand	TROMMELFLEX PUR-HF
Type designation	D12Y11YU11Y-J/O

Design features

Conductor	Plain copper, flexible class 5 acc. to DIN EN 60228 / DIN VDE 0295
Insulation	Halogen free compound, based on polyester
Core identification	Up to 5 cores: colored in accordance with DIN VDE 0293-308 From 6 cores: natural color with black numbers
Core arrangement	Central textile carrier unit; cores twisted with short length of lay
Inner sheath	Polyurethan, halogen free, flame retardant
Reinforcement	Open braiding of support
Outer sheath	Polyurethane, halogen free, flame retardant, opaque; Colour: black
Marking	White imprint: TROMMELFLEX PUR-HF -J/-O (number of cores) x (cross-section) (week/year)

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Max. permissible operating voltage AC	0.7/1.2 kV
Max. permissible operating voltage DC	0.9/1.8 kV
AC Test Voltage	4 kV (5 Min.)
Current Carrying Capacity description	Acc. to DIN VDE 0298-4

Chemical parameters

Resistance to fire	Similar to IEC 60332-1
Water resistance	The cables are suitable for permanent use in water (no drinking water) up to 50 meter diving depth.

Thermal parameters

Max. permissible temperature at conductor	90 °C
Max. short circuit temperature of the conductor	250 °C
Ambient temperature for fixed installation	min -50 °C ; max +80 °C
Ambient temperature in fully flexible operation	min -40 °C ; max +80 °C

Mechanical parameters

Max. tensile load on the conductor	25 N/mm ²
Torsional stress	± 50 °/m
Min. bending radius	6 x D (Proved by flexing tests acc. to HD 22.2 part 3.1)
Travel speed	- Reeling operation: no restriction (for speed beyond 180 m/min please consult the manufacturer); - Festoon system: up to 180 m/min.

Number of cores x cross section	Part number	Conductor diameter max. mm	Outer diameter min. mm	Outer diameter max. mm	Bending radius free moving min. mm	Weight (ca.) kg/km	Permissible tensile force max. N	Conductor resistance at 20°C max. Ω/km	Current carrying capacity (1) A	Short Circuit Current (conductor) kA
D12Y11YU11Y-J Control cables										
7x1,5		1.5	12	13.2	79	230	260	13.3	23	0.21
12x1,5		1.5	15.5	16.7	100	360	450	13.3	23	0.21
18x1,5	20165499	1.5	16.9	18.1	109	470	670	13.3	23	0.21
24x1,5		1.5	19	20.2	121	600	900	13.3	23	0.21
30x1,5		1.5	21.1	22.5	135	750	1120	13.3	23	0.21
7x2,5		2	13.5	14.7	88	310	430	7.98	30	0.36
12x2,5		2	18.9	20.1	121	550	750	7.98	30	0.36
18x2,5		2	19.2	20.4	122	670	1120	7.98	30	0.36
24x2,5	20160534	2	21.5	22.9	137	870	1500	7.98	30	0.36
30x2,5		2	24.4	26	156	1090	1870	7.98	30	0.36
36x2,5	20140743	2	27.4	29	174	1410	2250	7.98	30	0.36
D12Y11YU11Y-J power cables, four core design										
4x1,5		1.5	10	11.2	67	150	150	13.3	23	0.21
4x2,5		2	11.1	12.2	74	200	250	7.98	30	0.36
4x4		2.5	12.3	13.5	81	280	400	4.95	41	0.57
4x6	20161503	3.1	14.1	15.2	92	370	600	3.3	53	0.86
4x10		4.1	17.4	18.6	112	600	1000	1.91	74	1.43
4x16		5.1	20	21.4	128	850	1600	1.21	99	2.29
4x25	20149378	6.2	23.5	24.9	149	1230	2500	0.78	131	3.58
4x35	20156715	7.8	28.5	30.2	181	1760	3500	0.55	162	5.01
D12Y11YU11Y-J power cables, five core design										
5x1,5		1.5	10.6	11.7	71	170	180	13.3	23	0.21
5x2,5		2	11.8	13	78	230	310	7.98	30	0.36
5x4		2.5	13.3	14.5	87	330	500	4.95	41	0.57
5x6		3.1	16.4	17.6	106	480	750	3.3	53	0.86
5x10		4.1	18.7	19.9	119	720	1250	1.91	74	1.43
5x16		5.1	21.7	23.0	139	1030	2000	1.21	99	2.29
5x25		6.2	28.2	29.8	179	1500	3120	0.78	131	3.58
5x35		7.8	31	33	198	2140	4370	0.55	162	5.01

(1) Nominal current carrying capacity for rubber cables laid on a surface, at 30°C ambient temperature (see also VDE 0298-4, Table 15). For articles without part number the values shown are approximate, and need to be confirmed in case of order.

TROMMELFLEX (K) NSHTOEU

Low voltage reeling cable



Application

Flexible low voltage reeling cable for application under medium mechanical stresses.

Global data

Brand	TROMMELFLEX (K)
Type designation	NSHTOEU
Standard	DIN VDE 0250-814

Design features

Conductor	Tinned copper, flexible class 5 acc. to DIN EN 60228 / DIN VDE 0295
Insulation	Rubber compound type 3GI3 acc. to DIN VDE 0207-20
Core identification	Up to 5 cores: colored in accordance with DIN VDE 0293-308 From 6 cores: black with white numbers
Core arrangement	Central filler, plastic or textile, if necessary covered with rubber. Cores twisted at short length of lay
Inner sheath	Rubber compound type 5GM3 acc. to DIN VDE 0207-21
Reinforcement	Wide-meshed polyester braid, embedded in the sheath
Outer sheath	Extruded rubber compound type 5GM5 acc. to DIN VDE 0207-21. Abrasion and tear resistant, oil and flame resistant; Colour: black
Marking	White imprint: NSHTOEU-J (number of cores) x (cross-section) TROMMELFLEX(K) (meter marking)

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Max. permissible operating voltage AC	0.7/1.2 kV
Max. permissible operating voltage DC	0.9/1.8 kV
AC Test Voltage	2.5 kV (5 Min.)
Current Carrying Capacity description	Acc. to DIN VDE 0298-4

Chemical parameters

Resistance to fire	Acc. to IEC 60332-1 (EN 50265-2-1)
Resistance to oil	Acc. to EN 60811-404 - ASTM No. 2: 24h at 100 °C

Thermal parameters

Max. permissible temperature at conductor	90 °C
Max. short circuit temperature of the conductor	250 °C
Ambient temperature for fixed installation	min -40 °C ; max +80 °C
Ambient temperature in fully flexible operation	min -25 °C ; max +80 °C

Mechanical parameters

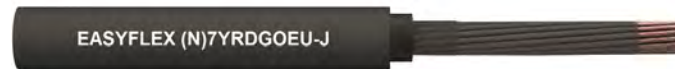
Max. tensile load on the conductor	15 N/mm ²
Torsional stress	± 50 °/m
Min. bending radius	Acc. to DIN VDE 0298 part 3
Travel speed	- Reeling operation: up to 120 m/min

Number of cores x cross section	Part number	Conductor diameter max. mm	Outer diameter min. mm	Outer diameter max. mm	Bending radius free moving min. mm	Weight (ca.) kg/km	Permissible tensile force max. N	Conductor resistance at 20°C max. Ω/km	Current carrying capacity (1) A	Short Circuit Current (conductor) kA
NSHTOEU-J Control cables										
7x1,5		1.5	16.2	17.5	105	380	158	13.7	23	0.18
12x1,5		1.5	20	21.4	128	550	270	13.7	23	0.18
18x1,5		1.5	22.4	23.8	143	730	405	13.7	23	0.18
24x1,5		1.5	25.4	27	162	950	540	13.7	23	0.18
30x1,5		1.5	27.8	29.4	176	1140	675	13.7	23	0.18
42x1,5		1.5	33.3	35.3	212	1560	945	13.7	23	0.18
7x2,5		2	18.5	19.7	118	510	263	8.21	30	0.31
12x2,5		2	22.7	24.0	145	740	450	8.21	30	0.31
18x2,5	20162064	2	25.8	27.4	164	1020	675	8.21	30	0.31
24x2,5		2	30.1	32.1	193	1410	900	8.21	30	0.31
30x2,5		2	31.9	33.9	203	1570	1125	8.21	30	0.31
NSHTOEU-J power cables, three core design										
3x50+3x25/3		9.6	41	45	270	2850	2250	0.39	202	6.1
3x70+3x35/3		11.1	43	47	282	3860	3150	0.28	250	8.54
3x95+3x50/3		12.6	48	52	312	4720	4275	0.21	301	11.59
3x120+3x70/3		13.7	50.5	55.5	333	5820	5400	0.16	352	14.64
3x150+3x70/3		16	57	62	372	6535	6750	0.13	404	18.3
3x185+3x95/3		17.7	63	68	408	8890	8325	0.11	461	22.57
3x240+3x95/3		20.2	71	76	456	12040	10800	0.08	540	29.28
NSHTOEU-J power cables, four core design										
4x1,5		1.5	12.2	13.4	80	210	90	13.7	23	0.18
4x2,5		2	15.3	16.5	99	320	150	8.21	30	0.31
4x4		2.5	17.0	18.3	110	430	240	5.09	41	0.49
4x6		3	18.4	19.6	118	530	360	3.39	53	0.73
4x10		4.1	22.8	24.2	145	840	600	1.95	74	1.22
4x16		5.7	27.5	29.1	175	1190	960	1.24	99	1.95
4x25		7.2	33.5	35.5	213	1940	1500	0.8	131	3.05
4x35		8.2	35.9	38.3	230	2220	2100	0.57	162	4.27
NSHTOEU-J power cables, five core design										
5x1,5		1.5	13.4	14.6	88	250	113	13.7	23	0.18
5x2,5	20160147	2	16.2	17.5	105	380	188	8.21	30	0.31
5x4		2.5	18.2	19.5	117	490	300	5.09	41	0.49
5x6		3	20.4	21.8	131	650	450	3.39	53	0.73
5x10		4.1	24.4	26	156	1190	750	1.95	74	1.22
5x16		5.7	29.4	31.4	188	1460	1200	1.24	99	1.95
5x25		7.2	36	38.4	230	2130	1875	0.8	131	3.05
5x35		8.2	40.1	42.6	256	2810	2625	0.57	162	4.27

(1) Nominal current carrying capacity for rubber cables laid on a surface, at 30°C ambient temperature (see also VDE 0298-4, Table 15). For articles without part number the values shown are approximate, and need to be confirmed in case of order.

EASYFLEX (N)7YRDGOEU

Cable for simple reeling application



Application

Connection cable for use on spring cable reels. Typical applications in wastewater treatment plants, as well as for simple reeling operating in indoor and outdoor areas.

Global data

Brand	EASYFLEX
Type designation	(N)7YRDGOEU-J

Design features

Conductor	Bare electrolytic copper, very finely stranded, class FS
Insulation	ETFE for good mechanical and electrical characteristics (see also DIN VDE 0207)
Core identification	Black colored insulation with numbers printed in white, earth conductor green-yellow
Core arrangement	Laid-up in layers
Inner sheath	Basic material EPR, color: black
Outer sheath	Basic material EVA, color: black
Marking	EASYFLEX (N)7YRDGOEU-J (nr. of cores)x(cross-section) 0,6/1 kV

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Max. permissible operating voltage AC	0.7/1.2 kV
Max. permissible operating voltage DC	0.9/1.8 kV
AC Test Voltage	3.5 kV (5 Min.)
Current Carrying Capacity description	Acc. to DIN VDE 0298-4

Thermal parameters

Max. permissible temperature at conductor	90 °C
Max. short circuit temperature of the conductor	250 °C
Ambient temperature for fixed installation	min -50 °C ; max +80 °C
Ambient temperature in fully flexible operation	min -35 °C ; max +80 °C

Mechanical parameters

Max. tensile load on the conductor	15 N/mm ²
Torsional stress	± 15 °/m
Min. bending radius	6 x D
Travel speed	- Reeling operation: 80 m/min
Additional tests	Reversed bending test, reeling test

Number of cores x cross section	Part number	MLFB Number	Conductor diameter max. mm	Outer diameter min. mm	Outer diameter max. mm	Bending radius free moving min. mm	Weight (ca.) kg/km	Permissible tensile force max. N	Conductor resistance at 20°C max. Ω/km	Current carrying capacity (1) A	Short Circuit Current (conductor) kA
(N)7YRDGOEU-J Control cables											
7x1,5		5DG4***	1.6	13.6	15	90	300	150	13.3	23	0.21
12x1,5		5DG4***	1.6	15.1	17.1	103	425	270	13.3	23	0.21
18x1,5		5DG4***	1.6	17.4	19.4	116	580	400	13.3	23	0.21
24x1,5		5DG4***	1.6	21.4	23.4	140	830	540	13.3	23	0.21
4x2,5		5DG4***	2	12	13.6	82	265	150	7.98	30	0.36
5x2,5		5DG4***	2	12.9	14.5	87	310	180	7.98	30	0.36
7x2,5		5DG4***	2	14.6	16.6	100	415	260	7.98	30	0.36
12x2,5	20025880	5DG4522	2	16.7	18.7	112	575	450	7.98	30	0.36
18x2,5	20025881	5DG4523	2	19.3	21.3	128	795	670	7.98	30	0.36
24x2,5		5DG4***	2	24.1	26.1	157	1115	900	7.98	30	0.36
(N)7YRDGOEU-J Power cables											
4x4		5DG4***	3	14.3	16.3	98	360	240	4.95	41	0.57
5x4		5DG4***	3	15.4	17.4	104	435	300	4.95	41	0.57
4x6		5DG4***	3.6	15.7	17.7	106	470	360	3.3	53	0.86
5x6		5DG4***	3.6	16.9	18.9	113	555	450	3.3	53	0.86
4x10		5DG4***	4.6	18.1	20.1	121	690	600	1.91	74	1.43
5x10		5DG4***	4.6	19.7	21.7	130	820	750	1.91	74	1.43
4x16		5DG4***	5.6	21.9	23.9	143	1035	960	1.21	99	2.29
5x16		5DG4***	5.6	23.8	25.8	155	1240	1200	1.21	99	2.29