



FLEXIFESTOON® (N)GRDGÖU-J

CE

Flexible round festoon cable acc. to VDE 0250 part 813 as far as applicable



Construction:

Conductor:	bare copper stranded, class 5 acc. to DIN VDE 0295
Insulation:	EPR compound 3GI3 acc. to DIN VDE 0207, part 20
Bus cores and twisted pair screen:	synthetic tapes and tinned copper wires braid screen
Core identification:	light colored insulation with numbers printed in black for power and control cables, green- yellow earth-conductor
Stranding:	maximum of 3 layers
Inner sheath:	EPR compound GM1b acc. to DIN VDE 0207 part 21
Outer sheath:	BLACK PCP compound 5GM3 acc. to DIN VDE 0207 part 21

Applications:

- ▶ Flexible power and control cable using for festoon systems, cranes equipment, etc.
- ▶ for SPEEDS and MINIMUM BENDING RADIUS see page 1,2,3/5,6 of catalogue

Technical data:

Temperature range:	
fixed installation:	-50°C to +80°C
flexible installation:	-35°C to +80°C
Max. operating temp. of the conductor:	+90°C
Short circuit temp. of the conductor:	+250°C
Nominal voltage:	U/oU 0,6/1 kV
Test voltage A.C.:	
Power cores:	3,5 kV
Control cores:	2,5 kV
Max. operating voltage in A.C. systems:	U/oU 0,7/1,2 kV
Max. operating voltage in D.C. systems:	U/oU 0,9/1,8 kV
Tensile strenght:	
static:	15 N/mm ²
dynamic:	30 N/mm ²
Torsional stress:	+/- 25°/m
Max. speed:	
reeling operation:	60 m/min
festoon system:	up to 240 m/min (please inquire for higher speeds)
Resistance to oil:	DIN VDE 0473, part 811-2-1, par. 10
Flame retardant:	flame retardant acc. to IEC 60332-1 part 1
Weather resistance:	outdoor use, resistant to ozone, UV, moisture and water
Approvals:	GOST R and others on request





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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. *)
POWER						
05210163	1x25	11,5	240,0	325	375	4
05210164	1x35	13,3	336,0	420	525	2
05210165	1x50	16,6	480,0	620	750	1
05210166	1x70	17,9	672,0	825	1050	2/0
05210167	1x95	19,8	912,0	1060	1425	3/0
05210168	1x120	22,1	1152,0	1337	1800	4/0
05210169	1x150	24,4	1440,0	1642	2250	250 MCM
05210170	1x185	26,8	1776,0	2004	2775	350 MCM
05210364	3x35+3x16/3	29,5	1161,6	1795	1575	2
05210365	3x50+3x25/3	34,5	1680,0	2535	2250	1
05210366	3x70+3x35/3	40,8	2352,0	3560	3150	2/0
05210367	3x95+3x50/3	42,5 max.	3216,0	4493	4275	3/0
05210440	4x4	14,9	153,6	330	240	12
05210460	4x6	17,1	230,4	468	360	10
05210461	4x10	19,4	360,0	685	600	8
05210462	4x16	24,1	614,4	1055	960	6
05210463	4x25	28,6	960,0	1595	1500	4
05210464	4x35	31,8	1344,0	2080	2100	2
05210465	4x50	37,5	1920,0	2960	3000	1
05210540	5x4	17,0	192,0	440	300	12
05210560	5x6	18,8	288,0	565	450	10
05210561	5x10	22,1	480,0	865	750	8
05210562	5x16	26,5	768,0	1287	1200	6
05210563	5x25	31,5 max.	1200,0	1990	1900	4
CONTROL						
05211215	12x1,5	17,5	172,8	435	270	16
05211815	18x1,5	20,0	388,8	610	405	16
05212415	24x1,5	23,4	345,6	808	540	16
05213015	30x1,5	24,7	432,0	936	675	16
05213615	36x1,5	26,4	518,4	1080	810	16
05210425	4x2,5	15,8	96,0	367	150	14
05210725	7x2,5	19,8	168,0	600	262	14
05211225	12x2,5	19,1	288,0	585	450	14
05211825	18x2,5	22,8	432,0	872	650	14
05212425	24x2,5	26,0	576,0	1100	900	14
05213025	30x2,5	28,1	720,0	1345	1125	14
05213625	36x2,5	30,2	864,0	1560	1350	14

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. *)
BUS (TWISTED PAIR SCREEN)						
05213210	3x(2x1)C	22,1	-	675	90	18
05216205	6x(2x0,5)C	23,6	-	840	180	20
05216210	6x(2x1)C	29,9	-	1260	180	18
05219205	9x(2x0,5)C	30,1	-	1348	270	20
05219210	9x(2x1)C	37,8	-	2002	270	18
05211225	12x(2x0,5)C	31,6	-	1536	360	20
05211210	12x1C	19,5	-	578	180	18

Other construction and sizes are available on request

