



FLEXIFESTOON® NE-FLAT CY ((N)GFLCGÖU)

Screened rubber flat cable

CE



Construction:

Conductor:	bare copper, stranded to DIN VDE 0295 and IEC 60228, NE-FLAT fine or extra fine wire stranded acc. to different cross-sections, 1 to 25 mm ² class 6/35 to 120 mm ² class 5
Insulation:	special rubber 3GI3, DIN VDE 0207 part 20
Stranding:	cores laying parallel
Cores:	cores screened individually or in bunches
Screen:	tinned copper braiding, approx. 80%
Cores color:	up to 5 cores to color code DIN VDE 0293 7 cores and above with number printing + green-yellow earth-core
Outer sheath:	black, special rubber 5GM3

Technical data:

Temperature range:	fixed installation: -50°C to +80°C flexible installation: -35°C to +80°C
Nominal voltage:	U _{oU} 300/500 V
Test voltage:	3000 V
Min. bending radius:	10 x d
Max. temperature on conductor:	in service: +90°C in short circuit: +250°C
Radiation resistance:	up to 50x10 ⁶ cJ/kg (up to 50 Mrad)
Oil resistance:	very good
Chemical resistance:	very good
Travelling festoon speed:	up to 180 mt/min.
Conductor tensile stress:	static: 15 N/mm ² dynamic: 30 N/mm ²
Fire performance:	acc. to VDE 0472 part 804 and IEC 60332-1, test method B

Outstanding features:

- ▶ Extremely small bending radius
- ▶ high flexibility
- ▶ minimum waste of space
- ▶ packeting possibility
- ▶ for SPEEDS and MINIMUM BENDING RADIUS see page 1,2,3/5,6 of catalogue
- ▶ UV and ozone resistance
- ▶ 0,6/1 kV version on request
- ▶ cold resistant



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	AWG no. *)
05111210	12G1	6,85x49,75	-	653	18
05110415	4G1,5	7,15x19,0	-	250	16
05110815	8G1,5	7,9x42,0	231,0	260	16
05111215	12G1,5	7,9x61,0	346,0	380	16
05110425	4G2,5	8,5x25,5	164,0	250	14
05110625	6G2,5	8,5x34,5	247,0	365	14
05111225	12G2,5	8,9x68,0	494,0	620	14
05110440	4G4	11,0x32,2	219,0	455	12

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	AWG no. *)
05110460	4G6	10,4x29,8	302,0	600	10
05110461	4G10	12,3x37,4	472,0	850	8
05110462	4G16	14,0x42,4	687,0	1158	6
05110463	4G25	15,0x47,0	-	1605	4
05110464	4G35	17,0x55,0	-	2520	2
05110465	4G50	20,5x66,0	-	3000	1
05110466	4G70	-	-	-	2/0
05110467	4G95	-	-	-	3/0
05110468	4G120	29,0x92,0	4935,0	7280	4/0
05110421	4x(2x1)	11,0x32,8	477,0	663	18
05110422	6x(2x2,5)	15,2x63,3	-	1800	14

Other construction and sizes are available on request