



Lift and Reeling Cables

NEO-Flat Cable(GFLCGÖU) Weather resistant flat festoon cable

NEO-Flat Cable(GFLCGÖU) CE ROHS

Cable Structure:

Conductor:	bare copper, stranded to DIN VDE 0295 and IEC 60228. Neo-flat fine or extra wire stranded according to different cross-sections: 1 to 25 mm ² - class 6, col. 4, 35 to 95 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 screened braiding, approx. 80% coverage.
Cores colour:	core identification up to 5 cores to colour code DIN VDE 0293 7 cores and above with number printing. With green-yellow earth core.
Outer jacket:	special rubber 5GM3 cold resistant.
Fire performance:	test method B as per VDE 0472 part 804 and IEC 60332-1

Outstanding features:

- ▶ Extremely small bending radius
- ▶ high flexibility
- ▶ minimum waste of space
- ▶ packeting possibility
- ▶ for SPEEDS and MINIMUM BENDING RADIUS see pages 4/5/6/7 of catalogue
- ▶ UV and ozone resistance
- ▶ 0,6/1 kV version on request

Technical data:

Temperature Range:	
<i>Fixed installation:</i>	-50 °C to +80 °C
<i>Flexible installation:</i>	-35 °C to +80 °C
Nominal voltage:	U ₀ /U 300/500 V
Test voltage:	3000 V
Min. Bending Radius:	10 x d
Max. temp on the conductor:	
<i>In service:</i>	+ 90 °C
<i>In short circuit:</i>	+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
Tensile stress of the conductor:	
<i>static:</i>	15 N/mm ²
<i>dynamic:</i>	30 N/mm ²

No. of cores x cross section n x mm ²	Outer Ø ca. mm	Copper weight kg / km	Weight ca.kg/km	AWG no. *)
12G1	6.85 x 49.75	-	653	18
4G1.5	7.15 x 19.0	-	250	16
8G1.5	7.9 x 42.0	231.0	260	16
12G1.5	7.9 x 61.0	346.0	380	16
4G2.5	8.5 x 25.5	164.0	250	14
6G2.5	8.5 x 34.5	247.0	365	14
12G2.5	8.9 x 68.0	494.0	620	14
4G4	11.0 x 32.2	219.0	455	12
4G6	10.4 x 29.8	302.0	600	10
4G10	12.3 x 37.4	472.0	850	8
4G16	14.0 x 42.4	687.0	1158	6
4G25	47.0 x 15.0	-	1605	4
4G35	55.0 x 17.0	-	2520	2
4G50	66.0 x 20.5	-	3000	1
4x(2x1)	11.0 x 32.8	477.0	663	18
6x(2x2.5)	15.2 x 63.3	-	1800	14