

Neoprene Flatform Cable (NGFLGOEU-J)

Cable Application

Neoprene sheathed flat cables are designed to be used as electrical supply to moving machine components. This cable is weatherproof and thus suitable for use under adverse ambient conditions, e.g. for outdoor installation in shipyards, conveying equipment, on cranes and hoisting gear. These cables are extremely flexible and are typically used in applications with high mechanical stress and frequent bending in one plane.

Technical Information

Conductors:	Flexible, plain copper
Stranding:	25mm ² and below according to VDE 0295 class 6, IEC 60228 35mm ² and above according to VDE 0295 class 5, IEC 60228
Insulation:	EPR rubber compound
Sheath:	Black neoprene
Core Marking:	Up to 5 cores colour coded in accordance to VDE 0293 7 cores and more are number coded with a green/yellow earth
Voltage Rating:	300/500V
Temperature Range:	Flexing: -25°C to +70°C • Static: -40°C to +80°C
Bending Radius:	10 x Ø

Cores	Cross section mm ²	Outer diameter mm	Current rating at 30°C [amps]	Weight kg/km	Cores	Cross section mm ²	Outer diameter mm	Current rating at 30°C [amps]	Weight kg/km
4	1.5	163. x 5.5	22	16.7	4	6	27.2 x 9	52	50.1
5	1.5	21 x 5.5	22	21.6	5	6	34.6 x 9	52	65.2
7	1.5	27.1 x 5.5	22	28.7	7	6	45.4 x 9	52	86.6
8	1.5	30.2 x 5.5	22	32.3	4	10	32.8 x 10.5	71	75
10	1.5	38.5 x 6.1	22	44.7	5	10	44 x 11.8	71	100
12	1.5	44.7 x 6.1	22	52.4	4	16	38.1 x 12.2	96	108.3
4	2.5	19.7 x 6.8	30	25.6	5	16	50 x 13.6	96	145
5	2.5	25 x 6.8	30	32.8	4	25	44.5 x 13.8	127	152.2
7	2.5	32.6 x 6.8	30	43.9	5	25	60 x 16.3	127	220
8	2.5	36.4 x 6.8	30	49.5	7	25	77.7 x 15	127	284.5
10	2.5	47 x 7.7	30	56.5	4	35	51 x 15.8	157	206.5
12	2.5	54.6 x 7.4	30	79.9	7	35	87.5 x 16.4	157	377
24	2.5	71 x 14.5	30	161.4	4	50	59.9 x 18.4	190	289.6
4	4	24.6 x 8.7	40	39.5	4	70	68 x 20.8	242	388.7
5	4	31.2 x 8.7	40	52.9	4	95	77.3 x 23.5	293	511.7
7	4	40.8 x 8.4	40	68.1	4	120	89.5 x 28.2	339	680.9



Neoprene Flatform Cable (NGFLGOEU-J)