

# cable for festoon application (N)GRDOEU-J/O 0,6/1 kV



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

**Application:** Power and control cables suitable for connection wagons of cranes (festoones), conveyor systems, moved parts of machine tools etc. Due to the good UV- and ozone-resistance they may be used indoors and outdoors.

## Construction and technical data:

<b>Standard:</b>	DIN VDE 0250-814 (with ref. to)
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	Class 5 = flexible
<b>Insulation:</b>	rubber 3GI3
<b>Material inner sheath:</b>	rubber GM1b
<b>Torsion:</b>	+/- 90 °/m
<b>Sheathing material:</b>	rubber (CR) 5GM3
<b>Colour of outer sheath:</b>	black
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>UV-resistant:</b>	yes
<b>Oil-resistant:</b>	VDE 0473-811-404/IEC 60811-404
<b>Ozone-resistant:</b>	VDE 0473-811-403/IEC 60811-403
<b>Max. temperature at conductor, °C:</b>	90 °C
<b>Max. short circuit temperature at conductor, °C:</b>	250 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-25 - +80 °C
<b>Bending radius, moving application:</b>	5 x Ø
<b>Maximum tensile strength at the conductor:</b>	15 N/mm <sup>2</sup>
<b>Operating speed festoon, m/min.:</b>	240 m/min.



*The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.*

(N)GRDOEU-O 0.6/1 kV**Nominal voltage U<sub>o</sub>:** 0.6 kV**Nominal voltage U:** 1 kV**Maximum permitted operating voltage in** 1.2 kV**three-phase systems:****Test voltage:** 4 kV**Core identification:** colours acc. to HD 308;  
more than 5 cores: numbers

part no.	part name	RI [Ohm/km]	I <sub>bl</sub> [A]	Ø [mm]	Cu	G [kg]
053129	01x70	0.272	263	18.4	672	870
053130	01x120	0.161	370	23	1152	1390
052899	01X150	0.129	424	25.1	1440	1750
052900	04X4	4.95	43	14.8	153.6	360
052901	04X6	3.3	56	16.2	230.4	460
052902	04X10	1.91	78	19.6	384	720
052904	05X10	1.91	78	21.6	480	910
052905	12X2,5	7.98	32	24.3	288	860

(N)GRDOEU-J 0.6/1 kV**Nominal voltage U<sub>o</sub>:** 0.6 kV**Nominal voltage U:** 1 kV**Maximum permitted operating voltage in** 1.2 kV**three-phase systems:****Test voltage:** 4 kV**Core identification:** colours acc. to VDE 0293 (HD 308);  
more than 5 cores: gn-ye + numbers

part no.	part name	RI [Ohm/km]	I <sub>bl</sub> [A]	Ø [mm]	Cu	G [kg]
053035	03G25	0.78	138	25.8	720	1130
053036	03G35	0.554	170	29.2	1008	1530
053037	03G50	0.386	212	34.8	1440	2190
053038	03G70	0.272	263	38.8	2016	2860
053039	04G10	1.91	78	19.6	230.4	720
052903	04G35	0.554	170	30.3	1344	1990
053131	05G6	3.3	56	18	288	600
053132	05G10	1.91	78	21.6	480	910
053115	05G25	0.78	138	31.9	1200	1820
053133	24G1.5	13.3	25	24.3	346	880
053040	12G2.5	7.98	32	24.3	288	860
052906	18G2,5	7.98	32	24.4	432	940
053117	24G2.5	7.98	32	29.2	576	1270
053118	30G2.5	7.98	32	33.5	720	1680

RI | Conductor resistance

I<sub>bl</sub> | Ampacity in air (30 °C)

Ø | outer diameter approx.

Cu | Copper weight (GER)

G | net weight per 1000