

cable for festoon application (N)GRDCGOEU

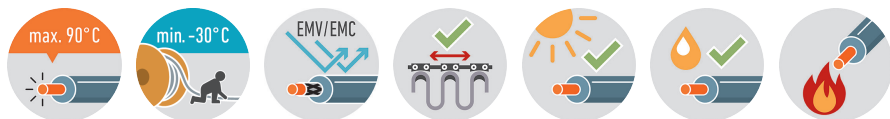


DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

Application: Screened Power and control cable for high mechanical requirements, frequently bendings in only one direction, especially for use in trolley systems on moving parts of machines and crans. Suitable for dry, humid and wet rooms and for outdoor use combined with specific EMC (electromagnetic compatibility) requirements.

Construction and technical data:

Standard:	DIN VDE 0250-814 (with ref. to)
Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	rubber 3GI3
Material inner sheath:	rubber GM1b
Screen:	tinned copper braid
Screen coverage:	80 %
Torsion:	+/- 90 °/m
Sheathing material:	Gummi 5GM3
Colour of outer sheath:	black
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
Oil-resistant:	VDE 0473-811-404/IEC 60811-404
Ozone-resistant:	VDE 0473-811-403/IEC 60811-403
Max. temperature at conductor, °C:	90 °C
Max. short circuit temperature at conductor, °C:	250 °C
Permitted outer cable temperature, fixed, °C:	-50 - +80 °C
Permitted outer cable temperature, moved, °C:	-30 - +80 °C
Maximum tensile strength at the conductor:	15 N/mm ²
Operating speed festoon, m/min.:	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.

Bending radii

installation	Ø <8 mm	Ø = 8-12 mm	Ø = 13-20 mm	Ø >20 mm
free movement	3 x Ø	4 x Ø		5 x Ø
festoon	3 x Ø	4 x Ø		5 x Ø

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Nominal voltage U_o: 0.6 kV

Nominal voltage U: 1 kV

Maximum permitted operating voltage in 1.2 kV

three-phase systems:

Test voltage: 4 kV

part no.	part name	RI [Ohm/km]	I _{bl} [A]	Ø min. [mm]	Ø max. [mm]	Ø [mm]	Cu	G [kg]
053114	03X16 + 3G2.5	1.21	104	24	27	27	758	1220
053116	03X35 + 3G6	0.554	170	30.9	34.4	34.4	1547	2080
053120	03x50+3G10	0.386	212	36.6	40.7	40.7	1988	3120

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
Ø min.	outer diameter min.
Ø max.	outer diameter max.
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000