Nexans Rheyfestoon® - cable for festoon application (N)3GRDCG5G

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:	VDE 0250-812 (with reference to)
Conductor material:	bare copper strand
Conductor construction:	Class 5 = fine stranded - DIN EN IEC 60228 (VDE 0295)
Insulation:	HEPR
Material inner sheath:	rubber EM6
Screen:	copper braid, tinned + synthetic fibre
Screen coverage, approx.:	80 %
Sheathing material:	rubber EM7
Colour of outer sheath:	black
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
Oil-resistant:	DIN EN 60811-404 / VDE 0473-811-404 / IEC 60811-404
Ozone-resistant:	yes
For outdoor use:	yes
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-50 - +80 °C
Permitted outer cable temperature, moved, °C:	-35 - +80 °C
Maximum tensile strength at the conductor:	15 N/mm²
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.

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(N)3GRDCG5G-J

Nominal voltage Uo: 0.6 kV

Nominal voltage U: 1 kV

Maximum permitted operating voltage in three-phase systems: 1.2 kV

Test voltage: 3 kV

part no.	part name	Rl [Ohm/km]	Ø [mm]	Fzp [N]	Fzd [N]	Cu	G [kg]
051993	12X1.5	13.3	21	270	540	215	549

Rl	Conductor resistance
Ø	outer diameter approx.
Fzp	Tensile strength (permanent)
Fzd	Tensile strength (dynamic)
Cu	Copper weight (GER)
G	net weight per 1000