

Flexible medium voltage cable

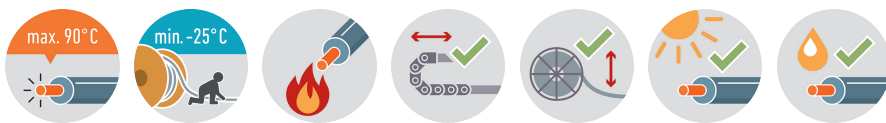
Bitflex[®] DC (N)TMCGC11Y



Application: Power supply cable for large electric motors and offshore systems for slow-running energy carrier systems or drum applications.

Construction and technical data:

Conductor material:	tinned copper
Conductor construction:	Class 5 = flexible
Insulation:	basic EPR
Electrical field control:	inner and outer semiconducting rubber layer
Arrangement of protective conductors:	verzinnete Kupferdrahtumspinnung
Screen coverage:	84 %
Sheathing material:	polyurethan
Colour of outer sheath:	red
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
Oil-resistant:	EN 60811-404
Ozone-resistant:	yes
Max. temperature at conductor, °C:	90 °C
Max. short circuit temperature at conductor, °C:	200 °C
Permitted outer cable temperature, fixed, °C:	-40 - +80 °C
Permitted outer cable temperature, moved, °C:	-25 - +80 °C
Bending radius, moving application:	8 x Ø
Maximum tensile strength at the conductor:	15 N/mm ²



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.

Bitflex[®] DC (N)TMC GC11Y 6/10 kV

Nominal voltage U_o:	6 kV
Nominal voltage U:	10 kV
Maximum permitted operating voltage in three-phase systems:	12 kV
Test voltage:	17 kV

part no.	part name	RI [Ohm/km]	I _{bl} [A]	Ø [mm]	Cu	G [kg]
053018	1x35/16	0.565	162	27	518	925
054511	1x95/16	0.21	301	29	1066	1521
054510	1x150/25	0.132	404	33	1680	2153

Bitflex[®] DC (N)TMC GC11Y 12/20 kV

Nominal voltage U_o:	12 kV
Nominal voltage U:	20 kV
Maximum permitted operating voltage in three-phase systems:	24 kV
Test voltage:	29 kV

part no.	part name	RI [Ohm/km]	I _{bl} [A]	Ø [mm]	Cu	G [kg]
053019	1x35/16	0.565	162	30	518	1135

RI	Conductor resistance
----	----------------------

I _{bl}	Ampacity in air (30 °C)
-----------------	-------------------------

Ø	outer diameter approx.
---	------------------------

Cu	Copper weight (GER)
----	---------------------

G	net weight per 1000
---	---------------------