

Flexible medium voltage cable

BITservo[®] (N)TSCGEWOEU EMV FC

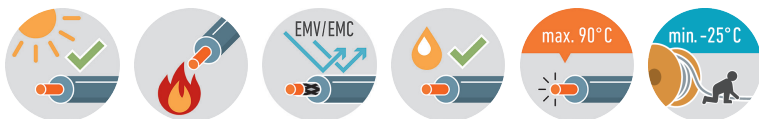


Application: Flexible medium voltage cable for connection between motor and frequency converter. For installation indoors and outdoors.

- Min. bedding radius: acc. to VDE 0298-3
- Max. current rating: acc. to VDE 0298-4, table 15, on or at surface

Construction and technical data:

Standard:	DIN VDE 0250-813 (with ref. to)
Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	basic EPR
Electrical field control:	inner and outer semiconducting rubber layer
Arrangement of protective conductors:	split in the outer interstices
Material inner sheath:	rubber GM1b
Screen:	tinned copper braid
Sheathing material:	rubber 5GM5
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
Permitted outer cable temperature, fixed, °C:	-40 - +80 °C
Permitted outer cable temperature, moved, °C:	-25 - +80 °C
Bending radius, fixed installation:	6 x Ø
Bending radius, moving application:	10 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.

Nominal voltage U_o: 3.6 kV
Nominal voltage U: 6 kV
Maximum permitted operating voltage in three-phase systems: 7.2 kV
Test voltage: 11 kV

part no.	part name	RI [Ohm/km]	I _{bl} [A]	Ø [mm]	Cu	G [kg]
054702	3X35 + 3X16/3	0.554	162	49	1734	3791
054056	3X185 + 3X95/3	0.106	461	74	6931	10820

BCRANE EMC FC 6/10KV

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

part no.	part name	RI [Ohm/km]	I _{bl} [A]	Ø [mm]	Cu	G [kg]
054711	3X35 + 3X16/3	0.554	162	50	1734	3880
053046	3X120 + 3X70/3	0.161	352	65	4128	8015

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