

Flexible medium voltage cable

BITFLEX[®] DC (N)TMCGCWOEU-W



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

Application: Flexible medium voltage cable for permanent use in water, for example floating pontoons, connecting dredgers, floating docks, pumps.

Current-carrying capacity at 30 °C ambient temperature acc. to IEC 60364-5-52, free in air, three loaded conductors trefoil

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
Screen:	spiral copper wires, tinned
Screen coverage:	83 %
Longitudinally watertight screen:	yes
Sheathing material:	Gummi 5GM3
Colour of outer sheath:	red
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
Oil-resistant:	EN 60811-404
Water-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)TMCGCWOEU-W 12/20 kV**Nominal voltage U_o:** 12 kV**Nominal voltage U:** 20 kV**Maximum permitted operating voltage in** 24 kV**three-phase systems:****Test voltage:** 29 kV

part no.	part name	RI [Ohm/km]	I _{bl} [A]	Ø [mm]	Cu	G [kg]
053208	01x150/25	0.132	444	42	1723	2685

RI | Conductor resistance

I_{bl} | Ampacity in air (30 °C)

Ø | outer diameter approx.

Cu | Copper weight (GER)

G | net weight per 1000