

# Flexible medium voltage cable BITFLEX<sup>®</sup> 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:

<b>Conductor material:</b>	tinned copper
<b>Conductor construction:</b>	Class 5 = flexible
<b>Insulation:</b>	basic EPR
<b>Electrical field control:</b>	inner and outer semiconducting rubber layer
<b>Screen:</b>	spiral copper wires, tinned
<b>Screen coverage:</b>	83 %
<b>Longitudinally watertight screen:</b>	yes
<b>Sheathing material:</b>	Gummi 5GM3
<b>Colour of outer sheath:</b>	red
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>UV-resistant:</b>	yes
<b>Oil-resistant:</b>	EN 60811-404
<b>Water-resistant:</b>	yes
<b>Max. temperature at conductor, °C:</b>	90 °C
<b>Max. short circuit temperature at conductor, °C:</b>	200 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-40 - +80 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-25 - +80 °C
<b>Bending radius, moving application:</b>	8 x Ø
<b>Maximum tensile strength at the conductor:</b>	15 N/mm <sup>2</sup>



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<sub>o</sub>:** 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 <sub>bl</sub> [A]	Ø [mm]	Cu	G [kg]
053208	01x150/25	0.132	444	42	1723	2685

RI	Conductor resistance
I <sub>bl</sub>	Ampacity in air (30 °C)
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000