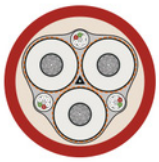
Flexible medium voltage cable
FABER® Power Dredging Hybrid Cable
(N)TSCGECEWOEU



Application: Flexible medium voltage cable with integrated fibre optic wires. For permanent use in sea and brackish water (max. deep: 300 m), for example connecting dredgers, floating docks, pumps and open-cast mines.

Fibre optics
- Fibres twisted with central textile support element

Construction and technical data:

Standard:	DIN VDE 0250-813 (with ref. to)
Conductor material:	tinned copper
Conductor construction:	Class 5 = flexible
Insulation:	rubber (EPR) 3GI3
Electrical field control:	inner and outer semiconducting rubber layer + semiconductive tape
Arrangement of protective conductors:	copper wire braid over each phase
Material inner sheath:	rubber GM1b
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
Ozone-resistant:	VDE 0473-811-403/IEC 60811-403
Water-resistant:	AD8
Max. temperature at conductor, °C:	90 °C
Max. short circuit temperature at conductor, °C:	250 °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

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.

FABER® Power Dredging Hybrid Cable (N)TSCGECEWOEU 6/10 kV

Nominal voltage Uo: 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	Dl [mm]	Rl [Ohm/km]	Ø [mm]	Fzp [N]	Cu	G [kg]
053381	03x50+3x25/3E + 12FO50/125 OM4	9.4	0.393	52.5	2250	1680	3850

FABER® Power Dredging Hybrid Cable (N)TSCGECEWOEU 12/20 kV

Nominal voltage Uo: 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	Dl [mm]	Rl [Ohm/km]	Ø [mm]	Fzp [N]	Cu	G [kg]
054491	03x25 + 3x25/3E + 12FO62.5/125	6.9	0.795	59.9	1125	960	4130
053265	03x25 + 3x50/3E + 12FOE9/125 + 12FO50/125 + 12FO62.5/125	6.9	0.795	60.3	1125	1200	4380
052803	03x35 + 3x50/3E + 12FOE9/125 + 12FO50/125 + 12FO62.5/125	7.8	0.565	61.8	1575	1488	4880
052921	03x50+3x25/3E + 12FO50/125 OM2	9.4	0.393	64.4	2250	1680	5290
052985	03x50+3x25/3E + 12FO50/125 OM4	9.4	0.393	64.4	2250	1680	5290

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