

Flexible medium voltage cable Faber[®] Dredging cable + FO

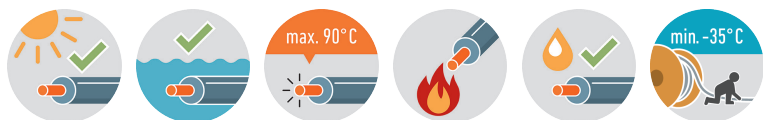


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Application: Flexible medium voltage cable with integrated fibre optic wires. For permanent use in water, for example connecting dredgers, floating docks, pumps and open-cast mines.

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
Arrangement of protective conductors:	tinned copper wire braid over each phase
Material inner sheath:	rubber GM1b
Torsion:	+/- 100 °/m
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:	yes
Ozone-resistant:	yes
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:	15 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.

Faber[®] Dredging cable /3E + FO 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]	Ø [mm]	Cu	G [kg]
052708	03X25 + 3X25/3E+12E9 RT	0.795	45.8	960	2750
054617	03X35 + 3X25/3E+24E9/125 RD	0.565	49.7	1321	3293
054662	03X35 + 3X50/3E + 12E9/125 RD	0.565	47.3	1437	3354
054663	03X35 + 3X50/3E + 24E9/125 RD	0.565	47.3	1437	3354

Faber[®] Dredging cable /3E + FO 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]	Ø [mm]	Cu	G [kg]
052709	03X35 + 3X25/3E+24E9 RT	0.565	49.7	1321	3293
054501	03X25 + 2X25/2 + 12E9/125 RD	0.795	44.6	999.7	2660
054502	03X25 + 2X25/2 + 12G50/125 RD	0.795	54.7	999.7	3710
054503	03X25 + 2X25/2 + 12G62.5/125 RD	0.795	54.7	999.7	3710
054436	03X35 + 3X50/3E + 24 E9/125 RD	0.565	49.7	1437	3460
052787	03X35 + 3X25/3E+12G50/125 RD	0.565	49.7	1424	3390
052710	03X50 + 3X25/3E+24E9 RT	0.393	59.6	1680	4940

RI	Conductor resistance
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000