

Flexible medium voltage cable FABER[®] (N)TMCWOU



Application: Single core cables are used in short lengths, e.g. for connection of switchgear cubicles and for connection of mobile transformer substations.

Ampacity: acc. to VDE 0298-4

Construction and technical data:

Standard:	DIN VDE 0250-813 (with ref. to)
Conductor material:	tinned copper
Conductor construction:	Class 5 = flexible
Insulation:	rubber 3GI3
Electrical field control:	inner and outer semiconducting rubber layer
Screen:	spiral copper wires, tinned
Sheathing material:	rubber 5GM5
Colour of outer sheath:	red
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant:	EN 60811-2-1
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
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[®] (N)TMCWOU 6/10KV

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]	I _{bl} [A]	Ø [mm]	Cu	G [kg]
054609	01x95/16	0.21	301	30.3	1090	1492
054028	01x300/25	0.0654		41.6	3175	3803

FABER[®] (N)TMCWOU 12/20 kV

Nominal voltage U_o: 12 kV
Nominal voltage U: 20 kV
Test voltage: 29 kV

part no.	part name	RI [Ohm/km]	I _{bl} [A]	Ø [mm]	Cu	G [kg]
053762	01x35/16	0.565	172	26.4	514	999
053763	01x50/16	0.393	216	29	658	1229
053764	01x70/16	0.277	265	31	850	1485
053765	01x95/16	0.21	319	32.7	1090	1723
053766	01x120/16	0.164	371	35.5	1330	2081
053767	01x150/25	0.132	428	37	1717	2472
053768	01x185/25	0.108	488	39	2053	2808
053769	01x240/25	0.0817	574	42	2581	3454
053920	01x300/25	0.0654	660	46.1	3175	4305
053911	01x400/35	0.0495	790	50.8	4234	5332
053910	01x500/35	0.0391	909	53.4	5196	6456

FABER[®] (N)TMCWOU 18/30KV

Nominal voltage U_o: 18 kV
Nominal voltage U: 30 kV
Test voltage: 43 kV

part no.	part name	RI [Ohm/km]	I _{bl} [A]	Ø [mm]	Cu	G [kg]
054412	01X25/16	0.795	139	30	428	1203
054482	01x120/16	0.164	371	39.1	1335	2341
053972	01x300/25	0.0654		49.1	3147	4450
054025	01x630/35	0.0292		64.3	6444	8653

FABER[®] (N)TMCWOU 26/45 kV

Nominal voltage U_o: 26 kV
Nominal voltage U: 45 kV
Test voltage: 87 kV

part no.	part name	RI [Ohm/km]	I _{bl} [A]	Ø [mm]	Cu	G [kg]
053770	01x35/16	0.565	172	35.6	514	1441
053771	01x50/16	0.393	216	38.3	658	1730
053772	01x70/16	0.277	265	41.5	850	2150
053773	01x95/16	0.21	319	43.1	1090	2415
053774	01x120/16	0.164	371	45.7	1330	2850

part no.	part name	RI [Ohm/km]	Ibl [A]	Ø [mm]	Cu	G [kg]
053775	01x150/25	0.132	428	47.3	1717	3240
053776	01x185/25	0.108	488	49.4	2053	3600
053777	01x240/25	0.0817	574	52	2581	4300
054483	01x400/35	0.0495		60.6	4235	6260

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