

Medium voltage cable

TENAX[®]-UL (N)TMCWOEU - Type: MV-90



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

Application: Single core cables are used in short lengths, e.g. for the connection of switchgear cubicles and for the connection of mobile transformer substations. When laying and during operation, care should be taken to protect them from excessive mechanical stress

Construction and technical data:

Standard:	UL 1072
Conductor material:	tinned copper
Conductor construction:	Class 5 = flexible
Insulation:	FRNC-compound
Electrical field control:	inner and outer semiconducting rubber layer
Arrangement of protective conductors:	verzinnete Kupferdrahtumspinnung
Sheathing material:	special FRNC-compound
Colour of outer sheath:	black
Flame-retardant:	DIN EN 50266-2-4/VDE 0482-266-2-4/IEC 60332-3-24 (cat. C)
Smoke density:	DIN EN 61034/IEC 61034
Halogen-free:	DIN EN 50267/IEC 60754
UV-resistant:	yes
Oil-resistant:	EN 60811-404
Ozone-resistant:	yes
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-40 - +80 °C
Permitted outer cable temperature, moved, °C:	-40 - +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.

TENAX[®]-UL (N)TMCWOEU 8,7/15 kV**Nominal voltage U_o:** 8.7 kV**Nominal voltage U:** 15 kV**Test voltage:** 35 kV

part no.	part name	RI [Ohm/km]	I _{bl} [A]	I _k [kA]	Ø [mm]	Cu	G [kg]
053000	01X95/16 (3/0AWG)	0.21	300	13.58	35	1128	2000

TENAX[®]-UL (N)TMCWOEU 14/25 kV**Nominal voltage U_o:** 14 kV**Nominal voltage U:** 25 kV**Test voltage:** 52 kV

part no.	part name	RI [Ohm/km]	I _{bl} [A]	I _k [kA]	Ø [mm]	Cu	G [kg]
053001	01X95/16 (3/0AWG)	0.21	300	13.58	39	1128	2300

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
I _k	Short-circuit current (1 s)
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000