

Trailing cable (N)3GHSSYCY



Application: Flexible cable for energy supply of MV equipment, in tunnelling and underground mining applications, according to VDE 0250 Part 605 Standard, as far as applicable.

Remark on REACH: The following substances from the REACH candidate list are used for all products on this datasheet with a proportion of more than 0.1 %:

CAS 85535-85-9

Construction and technical data:

Specification/Standard:	in Anl. VDE 0250 Teil 605
Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	rubber 3GI3
Electrical field control:	inner and outer semiconducting rubber layer
Central filler:	semiconductive compound on polyester support
Core wrapping:	plastic foil
Arrangement of protective conductors:	copper wires on each core
Material inner sheath:	DMV6
Monitoring core:	copper wire spinning on first inner sheath
2nd inner sheath:	DMV6
Armour:	steel wire braid, galvanized
Sheathing material:	PVC DMV6
Colour of outer sheath:	red
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-40 - +80 °C
Permitted outer cable temperature, moved, °C:	-5 - +80 °C

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.

(N)3GHSSYCY 3.6/6 kV

Nominal voltage U_o: 3.6 kV

Nominal voltage U: 6 kV

Test voltage: 11 kV

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
051347	03x35 + 3x25/3E + 3x2.5 + UEL KON	0.554	54	1474	4360
051348	03x50 + 3x25/3E + 3x2.5 + UEL KON	0.386	57.8	1906	5140

(N)3GHSSYCY 6/10 kV

Nominal voltage U_o: 6 kV

Nominal voltage U: 10 kV

Test voltage: 24 kV

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
051603	03x35 + 3x16/3E + 3x2.5 + UEL KON	0.554	54.6	1592	4120
051677	03x50 + 3x25/3E + 3x2.5 + UEL KON	0.386	58.4	1906	4890

(N)3GHSSYCY 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]	Ø [mm]	Cu	G [kg]
051839	03x25 + 3x25/3E + 3x2.5 + UEL KON	0.78	58.2	1186	4400
051650	03x35 + 3x16/3E + 3x2.5 + UEL KON	0.554	60.2	1388	4780
051840	03x35 + 3x25/3E + 3x2.5 + UEL KON	0.554	60.2	1474	5290
051684	03x95 + 3x50/3E + 3x2.5 + UEL KON	0.206	71.5	3442	7850
051685	03x120 + 3x70/3E + 3x2.5 + UEL KON	0.161	75.3	4354	9230

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