

Trailing cable FABER[®] (N)3GHSSYCY

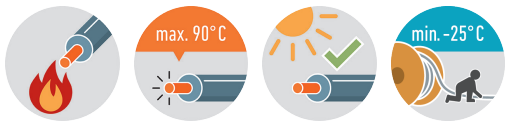


Application: As power supply cable for mobile MV equipment in mining and tunnel applications.

- Min. bedding radius: acc. to VDE 0298-3
- Max. current rating: acc. to VDE 0298-4

Construction and technical data:

Standard:	VDE 0250-605 (with ref. to)
Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	basic EPR
Electrical field control:	inner and outer semiconducting rubber layer
Pilot conductor:	split in the outer interstices
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
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
Min. distance with S-type directional changes:	20 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.

(N)3GHSSYCY F-BIT 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]	I _{bl} [A]	I _k [kA]	Ø [mm]	Cu	G [kg]
054916	3X25 + 3X16/3E + 3X2.5 + UEL KON	0.78	131	3.58	56	1140	4001
054929	3X35 + 3X16/3E + 3X2.5 + UEL KON	0.554	162	5.01	56	1140	3074
054930	3X50 + 3X25/3E + 3X2.5 + UEL KON	0.386	202	7.15	60	2016	4391

(N)3GHSSYCY F-BIT 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]	I _{bl} [A]	I _k [kA]	Ø [mm]	Cu	G [kg]
054917	3X25 + 3X16/3E + 3X2.5 + UEL KON	0.78	139	3.58	59	1140	4601
054666	3x35 + 3x16/3E + 3x2.5 + UEL KON	0.554	172	5.01	60	1442	5223
054835	3X50 + 3X25/3E + 3X2.5 + UEL KON	0.386	216	7.15	64	2016	5873
054836	3X95 + 3X50/3E + 3X2.5 + UEL KON	0.206	319	13.59	72	3722	8337

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