

Flexible medium voltage cable Faber[®] (N)3GHSSHCH



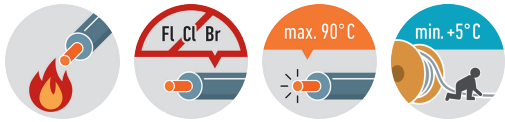
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Application: As power supply cable for shiftable MV equipment in mining and tunnel applications.

- Min. bedding radius: acc. to VDE 0298-3
- Max. current rating: acc. to IEC 60364-5-52

Construction and technical data:

Standard:	VDE 0250-605 (with ref. to), DIN EN 50628, DIN EN 16191
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 wire spinning over each phase
Material inner sheath:	halogen-free
Monitoring core:	copper wire spinning on first inner sheath
2nd inner sheath:	halogen-free
Armour:	steel wire braid, galvanized, min. coverage 75%
Torsion:	+/- 25 °/m
Sheathing material:	FRNC-compound
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:	+5 - +80 °C
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
Operating speed:	30 m/min.



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)3GHSSHCH 8,7/15 kV

Nominal voltage U_o:	8.7 kV
Nominal voltage U:	15 kV
Maximum permitted operating voltage in three-phase systems:	18 kV
Test voltage:	24 kV

part no.	part name	RI [Ohm/km]	I _{bl} [A]	Ø [mm]	F _{zv} [N]	Cu	G [kg]
054697	3x240+3x120/3E+3x2.5 St+UEL KON RD	0.0801	538	89.3	10800	9538	15693

Faber[®] (N)3GHSSHCH 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]	Ø [mm]	F _{zv} [N]	Cu	G [kg]
054696	3x240+3x120/3E+3x2.5 St+UEL KON RD	0.0801	538	89.3	10800	9538	15693

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
Ø	outer diameter approx.
F _{zv}	Tensile strength (during installation)
Cu	Copper weight (GER)
G	net weight per 1000