

Medium voltage flexible cable SUPROMONT (N)3GHSSHCH



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

Application: As halogen free feeder cable for power supply of shiftable MV equipment, e.g. compressure resistant transformers, for underground mining applications as well as for tunnel sites.

Construction and technical data:

Standard:	VDE 0250-605 (with reference to)
Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	rubber (EPR) 3GI3
Electrical field control:	inner and outer semiconducting rubber layer
Arrangement of protective conductors:	copper spiral shield on each core
control core:	copper conductor, rubber, number marking, splitted into three parts in the outer interstices
Material inner sheath:	halogen-free
Monitoring core:	conductive tape + copper wire spinning on first inner sheath
2nd inner sheath:	halogen-free
Armour:	steel wire braid, galvanized
Sheathing material:	FRNC-compound HM4
Colour of outer sheath:	red
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free:	yes
Ozone-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 - 60 °C
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.

SUPROMONT (N)3GHSSHCH 12/20 kV**Nominal voltage U_o:** 12 kV**Nominal voltage U:** 20 kV**Maximum permitted operating voltage in** 24 kV**three-phase systems:****Test voltage:** 29 kV

part no.	part name	RI [Ohm/km]	I _{bl} [A]	I _k [kA]	L _b [mH/km]	CI [μF/km]	Ø [mm]	F _{zv} [N]	Cu	G [kg]
053278	03X95 + 3X50/3E + 3X2.5 + UEL KON	0.206	319	13.59	0.3	0.36	70	4275	3582	8295
054815	03X120 + 3X70/3E + 3x2.5 + UEL KON	0.161	371	17.16	0.29	0.39	73.9	5400	4412	9658
054783	03X150 + 3X70/3E + 3X2.5+UEL KON	0.129	428	21.45	0.28	0.44	78.9	6750	5460	11107

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
I _k	Short-circuit current (1 s)
L _b	Specific inductivity
CI	Specific capacity
Ø	outer diameter approx.
F _{zv}	Tensile strength (during installation)
Cu	Copper weight (GER)
G	net weight per 1000