

# Reeling cable for underground mining Protomont(S)<sup>®</sup> (N)SSHCGEOEU



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

**Application:** Reeling mining cable for frequently changing dynamic loads and simultaneous tensile and torsional loads. The outer sheath is very resistant to abrasion and tearing.

## Construction and technical data:

<b>Standard:</b>	VDE 0250-812 (with reference to)
<b>Conductor construction:</b>	class „FS“ = exceptionally fine stranded
<b>Insulation:</b>	rubber 3GI3
<b>Arrangement of protective conductors:</b>	split in the outer interstices
<b>Material inner sheath:</b>	rubber GM1b
<b>Self-supporting element:</b>	aramide
<b>Torsion protection:</b>	synthetic braid
<b>Torsion:</b>	+/- 50 °/m
<b>Sheathing material:</b>	rubber (CR) 5GM5
<b>Colour of outer sheath:</b>	yellow
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>Oil-resistant:</b>	EN 60811-404
<b>Ozone-resistant:</b>	yes
<b>Max. temperature at conductor, °C:</b>	90 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-40 - +80 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-25 - +60 °C
<b>Bending radius, fixed installation:</b>	4 x Ø
<b>Bending radius, moving application:</b>	12 x Ø
<b>Maximum tensile strength at the conductor:</b>	30 N/mm <sup>2</sup>
<b>Operating speed:</b>	160 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.*

Protomont(S)<sup>®</sup> (N)SSHC GEOEU 0.6/1 kV

Nominal voltage U<sub>0</sub>: 0.6 kV

Nominal voltage U: 1 kV

Test voltage: 3 kV

part no.	part name	RI [Ohm/km]	I <sub>bl</sub> [A]	I <sub>k</sub> [kA]	Ø [mm]	F <sub>zp</sub> [N]	F <sub>zd</sub> [N]	Cu	G [kg]
052389	03X16 + 3X(1.5ST KON + 10/3 KON)	1.24	99	2.29	34.4	720	1440	717	1818
052304	03X25 + 3X(1.5ST KON + 16/3 KON)	0.795	131	3.58	39.3	1125	2250	1074	2497
052830	03X35 + 3X(1,5ST KON + 16/3 KON)	0.565	162	4.27	44.2	1575	3150	1363	3129
051495	3X35/16 KON + 3X(1.5ST KON/1.5UEL KON)	0.565	162	5.01	39.5	1575	3150	1460	2356

RI	Conductor resistance
I <sub>bl</sub>	Ampacity in air (30 °C)
I <sub>k</sub>	Short-circuit current (1 s)
Ø	outer diameter approx.
F <sub>zp</sub>	Tensile strength (permanent)
F <sub>zd</sub>	Tensile strength (dynamic)
Cu	Copper weight (GER)
G	net weight per 1000