

# HEPR mining cable

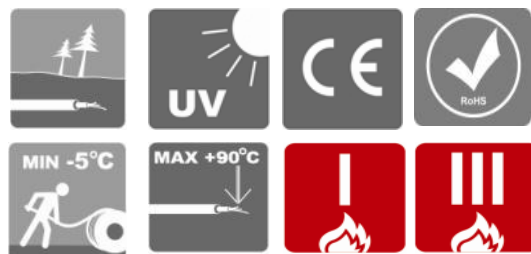
## TORSIONFLEX® POWER-VS

### 3GSEYBY 6/10 kV



IEC 60502-2

Special armoured mining cable  
with HEPR insulation



CONSTRUCTION	
<b>Conductors</b>	Annealed copper circular stranded compacted class 2 acc. to IEC 60228
<b>Inner screen</b>	Semi-conductive compound
<b>Insulation</b>	Ethylene-propylene rubber type HEPR acc. to IEC 60502-2
<b>Outer screen</b>	Semi-conductive compound
<b>Individual screen</b>	Copper tape
<b>Inner sheath</b>	Special flame retardant PVC type ST <sub>2</sub> acc. to IEC 60502-2
<b>Armour</b>	Double steel tapes.
<b>Outer sheath</b>	Special flame retardant PVC type ST <sub>2</sub> acc. to IEC 60502-2
<b>Colour of outer sheath</b>	Black or Red

CHARACTERISTIC	
<b>Maximum conductor operating temperature:</b>	+90°C
<b>Lowest ambient temperature for fixed installation:</b>	-30°C
<b>Lowest installation temperature:</b>	-5°C
<b>Maximum short-circuit conductor temperature:</b>	+ 250°C
<b>Minimum bending radius:</b>	12 x D multi-core cables, D – overall diameter
<b>Max. permissible tensile stress with cable grip for Cu-conductor:</b>	50 N/mm <sup>2</sup>
<b>Test voltage:</b>	21kV AC 49-61Hz, 5min
<b>Flame retardant:</b>	IEC 60332-1-2, IEC 60332-3-22

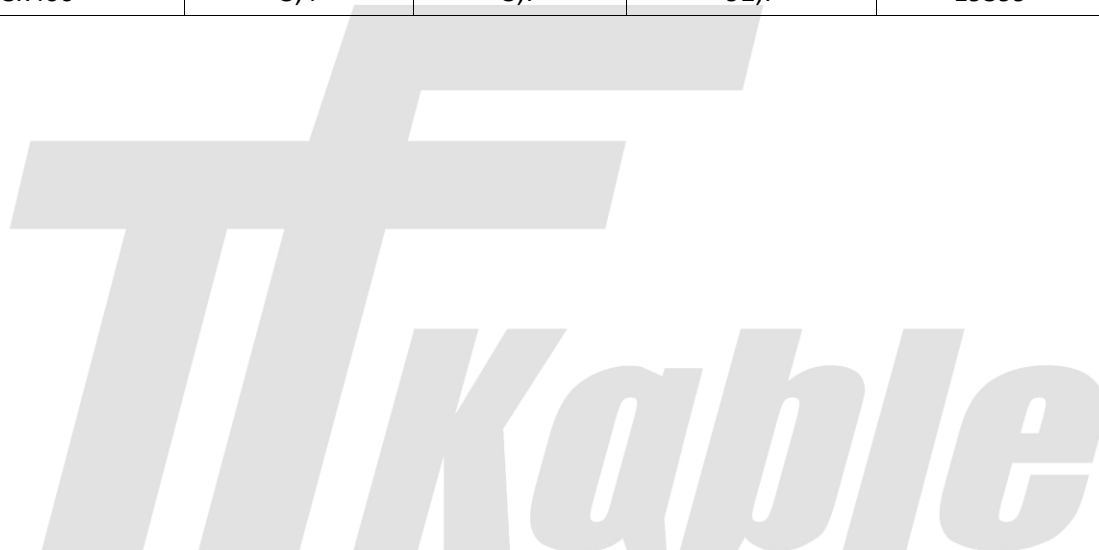
APPLICATIONS	
HEPR insulated and PVC sheathed mining cables for the supply of electrical energy.	
<b>Standard length cable packing</b>	1000m on drums. Other forms of packing and delivery are available on request

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Number and cross-sectional area of conductor	Nominal thickness of insulation	Nominal thickness of sheath	Approximate overall diameter	Approximate net weight of cables	Maximum conductor resistance at temperature 20°C
<b>n x mm<sup>2</sup></b>	<b>mm</b>	<b>mm</b>	<b>mm</b>	<b>kg/km</b>	<b>Ω/km</b>
3x150	3,4	3	66,4	9950	0,124
3x185	3,4	3,1	70,2	11562	0,0991
3x240	3,4	3,3	76	13964	0,0754
3x300	3,4	3,4	86	16146	0,0601
3x400	3,4	3,7	92,7	19399	0,0470



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