

MINING CABLES

FLEXIMINING® MEDIUM (N)3GHSSYCY

ELETTROTEK KABEL® FLEXIMINING® MEDIUM (N)3GHSSYCY



Construction:

Conductor:	Flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Inner semi-conductive layer:	semi-conducting rubber compound
Insulation:	special rubber EPR compound
Outer semi-conductive layer:	semi-conducting rubber compound
Earth conductor:	red copper wires, laying concentric around each power cores
Control cores Conductor:	Flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Control cores insulation:	rubber EPR compound
Cores color:	Power: natural color with black semi-conductive compound Control cores: black with white numbers
Stranding:	phase units laid up with control-cores in interstices
Filler:	rubber EPR compound
1st inner sheath:	special PVC compound
Monitoring conductor:	copper wires laying concentric between 1 st and 2 nd inner sheath, (DC resistance 3.30 Ohm/km at 20 °C)
2nd inner sheath:	special PVC compound
Armouring:	galvanized steel wires braid
Outer sheath:	red (similar to RAL 3000), special PVC compound

Technical data:

Nominal voltage:	U ₀ /U 3,6/6 kV U ₀ /U 6/10 kV U ₀ /U 12/20 kV
Max. permissible operating voltage:	7,2 kV 12 kV 24 kV
Temperature range:	
<i>Fixed laying:</i>	-40°C up to +80°C
<i>Flexible application:</i>	+5°C up to +80°C
Max. temperature on conductor:	
<i>In service:</i>	up to +90°C
<i>In shrt circuit:</i>	up to +250°C
Min. bending radius:	5 x D

Resistance:



Self-extinguishing and flame retardant acc. to:
DIN VDE 0482 part 332-1-2
EN 60332-1-2
IEC 60332-1-2

Features:

Ozone and moisture resistant
acc. to standard DIN VDE 0250 part 605
acc. to DIN VDE 0207-20/21
RoHS approval



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3,6/6 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.)*
06160MR1037M63	3x25+3x16/3E+3X2,5ST+UEL	45	3100	4
06160MR1037M64	3x35+3x16/3E+3X2,5ST+UEL	47	3600	2
06160MR1037M65	3x50+3x25/3E+3X2,5ST+UEL	51	4450	1
06160MR1037M66	3x70+3x35/3E+3X2,5ST+UEL	55	5400	2/0
06160MR1037M67	3x95+3x50/3E+3X2,5ST+UEL	60	6550	3/0

6/10 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.)*
06160QR1037M63	3x25+3x16/3E+3X2,5ST+UEL	55	4450	4
06160QR1037M65	3x50+3x25/3E+3X2,5ST+UEL	59	5400	1
06160QR1037M66	3x70+3x35/3E+3X2,5ST+UEL	62	5900	2/0
06160QR1037M67	3x95+3x50/3E+3X2,5ST+UEL	66	7400	3/0
06160QR1037M68	3x120+3x70/3E+3X2,5ST+UEL	69	8300	4/0

12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.)*
06160UR1037M64	3x35+3x16/3E+3X2,5ST+UEL	58	5100	2
06160UR1037M65	3x50+3x25/3E+3X2,5ST+UEL	60	5600	1
06160UR1037M66	3x70+3x35/3E+3X2,5ST+UEL	65	6960	2/0
06160UR1037M67	3x95+3x50/3E+3X2,5ST+UEL	68	7700	3/0
06160UR1037M68	3x120+3x70/3E+3X2,5ST+UEL	71	9000	4/0
06160UR1037M69	3x150+3x70/3E+3X2,5ST+UEL	76	9700	250 MCM
06160UR1037M70	3x185+3x95/3E+3X2,5ST+UEL	80	11100	350 MCM

Other dimensions and colors available on request.