



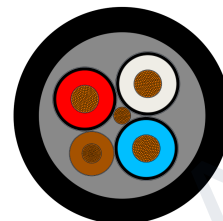
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

YnOGYek SCREENED MINING CABLE

PVC insulated and sheathed low-voltage screened mining cable



APPLICATION

Flexible cable for stationary and portable electrical equipment in open-pit, strip and underground mines, including areas with and without methane in excavation sites class a, b or c and coal dust hazard class A, B or C.

KEY FEATURES

Parameter	Value
Operating voltage	0.6/1 kV
Test voltage	3.2 kV power conductors; 2 kV control conductors
Conductor	Copper, class 5, PN-EN 60228
Individual screen	Semi-conducting compound extruded over each power conductor
Temperature range	-30 C to 70 C; short circuit up to 160 C
Bending radius	6 x OD fixed installation; 10 x OD movable installation
Outer sheath	Special non-flammable PVC; yellow

CABLE DESIGN

Parameter	Value
Power colours	Natural, red and blue
Protective conductor	Copper, non-insulated
Control conductor	Brown
Stranding	Screened power conductors and control conductor stranded around the protective wire
Inner sheath	PVC
Outer sheath	Special non-flammable PVC; PN-EN 60332-1 and PN-EN 60332-3-24 / IEC 60332-3; oxygen index >29

TECHNICAL DATA

CABLE RANGE AND DIMENSIONS						
Cable construction	Total conductors	Power mm2	Protective mm2	Control mm2	Max. OD mm	Weight kg/km
5 conductors: 3 power + 1 protective + 1 control						
3x2.5+2.5+2.5	5	2.5	2.5	2.5	20.2	535
3x4+4+4	5	4	4	4	21.7	660
3x6+6+4	5	6	6	4	24.4	850
3x10+10+6	5	10	10	6	27.7	1150

POWER CONDUCTOR ELECTRICAL SPECIFICATIONS				
Cross-section mm2	Reactance ohm/km	Inductivity mH/km	Capacitance uF/km	Current capacity A
2.5	0.124	0.38	0.42	26
4	0.114	0.36	0.55	34
6	0.110	0.35	0.57	45
10	0.104	0.33	0.62	62

CERTIFICATIONS



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