



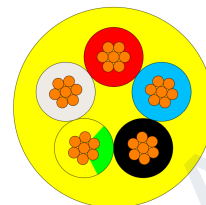
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

YnKGY-žo MINING POWER CABLE

PVC insulated and sheathed low-voltage mining cable



APPLICATION

Power cable for electrical equipment in open-pit, strip and underground mines without an explosion hazard, including methane-free areas with class A coal dust hazard.

KEY FEATURES

Parameter	Value
Operating voltage	0.6/1 kV
Test voltage	3.5 kV
Conductor	Copper, solid class 1 or stranded class 2, PN-EN 60228
Temperature range	-30 C to 70 C; minimum installation -5 C
Bending radius	10 x OD
Protective core	Green-yellow insulated conductor
Outer sheath	Special non-flammable PVC; yellow

CABLE DESIGN

Parameter	Value
3-core colours	Natural, red and green-yellow
4-core colours	Natural, red, blue and green-yellow
5-core colours	Natural, red, blue, black and green-yellow
Core assembly	Twisted power and protective conductors
Insulation	Special PVC
Flame performance	PN-EN 60332-1 and PN-EN 60332-3-24 / IEC 60332-3; oxygen index >29

TECHNICAL DATA

CABLE RANGE AND DIMENSIONS

Cable construction	Max. OD mm	Weight kg/km
3x1.5	10.2	153
4x1.5	11.1	180
5x1.5	11.8	215
3x2.5	11.0	195
4x2.5	12.0	235
5x2.5	12.9	280
3x4	12.9	280
4x4	14.2	345
5x4	15.2	410
3x6	13.9	355
4x6	15.4	440
5x6	16.6	525
3x10*	16.4	520
4x10*	18.1	655
5x10*	19.6	790

* 10 mm² conductors: class 2 according to PN-EN 60228.

POWER CONDUCTOR ELECTRICAL SPECIFICATIONS

Section mm ²	Resistance ohm/km	Inductivity mH/km	Reactance ohm/km	Current A	Short circuit kA
1.5	12.1	0.34	0.107	19	0.17
2.5	7.41	0.32	0.099	27	0.29
4	4.61	0.32	0.100	37	0.46
6	3.08	0.30	0.095	47	0.69
10	1.83	0.28	0.089	62	1.15

* 1-second short-circuit capacity at the maximum long-term conductor temperature.

CERTIFICATIONS



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