



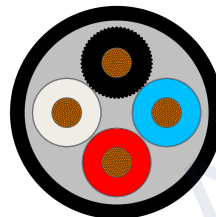
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

YnOGY MINING CABLE

PVC insulated and sheathed low-voltage mining cable



APPLICATION

Flexible cable for supplying stationary and portable electrical equipment in underground, open-pit and strip mines where no explosion hazard exists.

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
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	Black corrugated conductor
Control colours	Brown for one control core; natural, red and blue for three control cores
Stranding	Parallel-stranded conductors around a central filler
Inner sheath	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	Power mm2	Protective mm2	Control mm2	Max. OD mm	Weight kg/km
4 conductors: 3 power + 1 protective					
3x2.5+2.5	2.5	2.5	-	17.6	424
3x4+4	4	4	-	18.6	502
3x6+6	6	6	-	21.3	616
3x10+10	10	10	-	24.7	800
3x16+16	16	16	-	28.6	1377
3x25+16	25	16	-	35.1	2050
3x35+16	35	16	-	38.3	2500
3x50+25	50	25	-	44.2	3435
3x70+25	70	25	-	49.7	4487
3x95+25	95	25	-	56.6	5780
3x120+25	120	25	-	60.7	6900
5 conductors: 3 power + 1 protective + 1 control					
3x2.5+2.5+2.5	2.5	2.5	2.5	19.0	469
3x4+4+4	4	4	4	20.3	588
3x6+6+4	6	6	4	23.1	738
3x10+10+6	10	10	6	26.8	1054
7 conductors: 3 power + 1 protective + 3 controls					
3x4+4+3x4	4	4	4	23.0	810
3x6+6+3x6	6	6	6	26.5	1255
3x25+16+3x2.5	25	16	2.5	39.2	2780
3x35+16+3x2.5	35	16	2.5	42.7	3684

TECHNICAL DATA

POWER CONDUCTOR ELECTRICAL SPECIFICATIONS

Cross-section mm2	Reactance ohm/km	Inductivity mH/km	Current capacity A
2.5	0.110	0.35	27
4	0.101	0.32	37
6	0.101	0.32	47
10	0.097	0.31	66
16	0.094	0.30	87
25	0.094	0.30	113
35	0.091	0.29	140
50	0.091	0.29	172
70	0.088	0.28	212
95	0.088	0.28	257
120	0.085	0.27	295

CERTIFICATIONS



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