



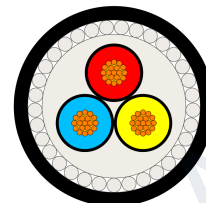
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

MGM 118 TYPE 6010 MINING CABLE

PVC insulated, galvanized steel armoured medium-voltage cable



APPLICATION

Fixed installation cable for supplying machines and equipment. Suitable for deep mines where explosive gases and dust can accumulate, and for surface use.

KEY FEATURES

Parameter	Value
Rated voltage	3800/6600 V
Test voltage	17 kV
Conductor	Stranded copper wire, IEC 60228 Class 1 or 2
Insulation	PVC
Separator	Semiconductor layer
Armour	Two layers of galvanized steel pliable armour

CABLE DESIGN

Parameter	Value
Lay-up	All cores laid up in contact with each other
Bedding	PVC-based bedding compound
Armour	Two layers of galvanized steel pliable armour
Armour separator	Galvanized steel tape, optional
Outer sheath	Special PVC compound
Related standard	MGM 109/1983

TECHNICAL DATA

MGM 118 - TYPE 6010									
Cable type	3x16	3x25	3x35	3x50	3x70	3x95	3x120	3x150	3x185
Cores / cross-section mm ²	3x16	3x25	3x35	3x50	3x70	3x95	3x120	3x150	3x185
Conductor diameter mm	4.90	6.10	7.10	8.40	10.00	11.80	13.30	15.20	17.00
Insulation thickness mm	3.4								
Radial inner sheath thickness mm	1.4	1.8	1.8	1.8	1.8	2.2	2.2	2.2	2.6
Inner sheath diameter mm	30.0	34.0	36.5	37.9	40.7	44.7	48.6	52.7	56.9
Size of armour mm	1/1.6	1/2.0	1/2.0	1/2.0	1/2.0	1/2.5	1/2.5	1/2.5	1/2.5
Radial outer sheath thickness mm	2.0	2.1	2.2	2.2	2.3	2.5	2.6	2.6	2.8
Min. overall diameter mm	33.9	38.3	40.6	43.4	47.1	53.1	56.6	60.6	67.3
Max. overall diameter mm	37.9	42.3	44.6	47.4	51.1	57.1	60.6	64.6	71.3
Min. bending radius mm	379	423	446	474	511	571	606	646	713
Approx. cable weight kg/km	2700	3600	4200	5100	6450	8450	9900	11600	14550
Copper weight kg/km	461	720	1043	1540	2236	3086	3956	4970	6208
Continuous current rating at 25 C A	86	110	135	160	200	245	285	325	370
Phase and earth conductors ohm/km	1.15	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991
Armour ohm/km	1.92	1.21	0.873	0.645	0.447	0.322	0.255	0.207	0.165

CERTIFICATIONS



TEBAOFLEX CABLE