



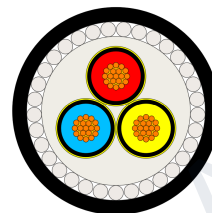
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

MGM 118 TYPE 6110 MINING CABLE

PVC insulated, individually screened, galvanized steel armoured 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	10 kV
Conductor	Stranded copper wire, IEC 60228 Class 1 or 2
Insulation	PVC
Screen	Individual copper-backed tape screen on each core
Armour	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	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 6110									
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	31.0	35.0	37.5	38.9	41.7	45.7	49.6	53.7	57.9
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	35.0	39.5	43.0	44.0	47.5	53.5	57.0	61.0	67.5
Max. overall diameter mm	39.0	43.5	47.0	48.0	51.5	57.5	61.0	65.0	71.5
Min. bending radius mm	390	435	470	480	515	575	610	650	715
Approx. cable weight kg/km	2950	3860	4450	5450	6850	8900	10380	12150	14700
Copper weight kg/km	631	900	1208	1750	2466	3336	4226	5270	6498
Continuous current rating at 25 C A	94	125	150	175	220	265	305	345	390
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