



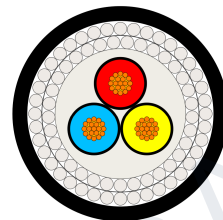
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

MGM 118 TYPE 6020 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 6020									
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	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9
Min. overall diameter mm	38.7	43.9	46.2	49.2	52.9	59.7	63.2	67.4	72.3
Max. overall diameter mm	42.7	47.9	50.2	53.2	56.9	63.7	67.2	71.4	76.3
Min. bending radius mm	427	479	502	532	569	637	672	714	763
Approx. cable weight kg/km	4450	5850	6500	7400	8550	11250	12550	14200	16300
Copper weight kg/km	461	720	1008	1440	2086	2836	3706	4820	6078
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	1.53	0.969	0.699	0.516	0.357	0.257	0.204	0.165	0.132

CERTIFICATIONS



TEBAOFLEX CABLE