



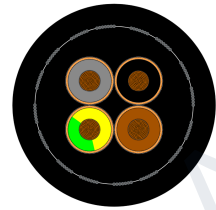
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

MGM 112 TYPE 62 / TYPE 63 / TYPE 64 MINING CABLE

EPR insulated, individually screened and steel-armoured cable



APPLICATION

Power supply for excavating and crushing machines and equipment. For deep mines where explosive gases and dust can accumulate, and surface use.

KEY FEATURES

Parameter	Value
Rated voltage	660/1100 V
Test voltage	2.5 kV
Conductor	Stranded, tinned copper wire, IEC 60228 Class 5
Insulation	EPR
Core screen	Tinned copper / nylon braid over each core
Core count	Type 62: 2 cores; Type 63: 3 cores; Type 64: 4 cores

CABLE DESIGN

Parameter	Value
Lay-up	Individually screened cores laid up in contact
Bedding	Rubber-based bedding compound
Armour	Galvanized steel pliable armour
Outer sheath	Heavy-duty chloroprene compound
Related standard	MGM 112/1984

TECHNICAL DATA

MGM 112 - TYPE 62 / TYPE 63 / TYPE 64			
Cable type	TYPE 62 / 2x4	TYPE 63 / 3x4	TYPE 64 / 4x4
Cores / cross-section mm ²	2x4	3x4	4x4
Stranding mm		56/0.30	
Conductor diameter Nom. mm		2.60	
Insulation thickness mm		1.0	
Radial inner sheath mm		2.0	
Min. inner sheath diameter mm	16.2	17.1	18.7
Max. inner sheath diameter mm	18.2	19.1	20.7
Size of armour mm		7/0.45	
Radial outer sheath mm		2.5	
Min. overall diameter mm	23.9	24.8	26.4
Max. overall diameter mm	26.4	27.3	28.9
Min. bending radius mm	270	280	290
Max. pulling tension kgf	48	72	96
Approx. cable weight kg/km	1080	1230	1400
Copper weight kg/km	132	200	264
Current rating at 25 C A		28	
Phase conductor ohm/km		5.09	
Screens parallel ohm/km	5.5	3.9	2.8
Armour ohm/km	4.91	4.63	4.16
Reactance at 50 Hz ohm/km		0.119	
Reactance at 60 Hz ohm/km		0.143	
Insulation resistance at 20 C Mohm/km		590	
Voltage drop at full load mV/A/m	12.38*	10.72	10.72

CERTIFICATIONS



TEBAOFLEX CABLE