



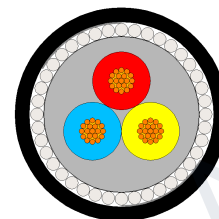
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

MGM 109 TYPE 3013 MEDIUM-VOLTAGE MINING CABLE

3-core PVC power cable with single galvanized steel wire armour



APPLICATION

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

KEY FEATURES

Parameter	Value
Rated voltage	1900/3300 V
Conductor	Electrolytic, stranded copper wire, IEC 60228 Class 2
Insulation	PVC
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
Separator	Galvanized steel tape, optional
Outer sheath	Special PVC compound

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
Related standard	MGM 109/1983
Test voltage	10 kV
Product family	MGM 109 Type 3013
Availability	Other sizes and designs available on request

TECHNICAL DATA

MGM 109 TYPE 3013 - DIMENSIONS AND CABLE WEIGHTS										
Cable type	Insul. mm	Inner sheath mm	Inner dia. mm	Armour mm	Outer sheath mm	Min. OD mm	Max. OD mm	Bend radius mm	Cable wt. kg/km	Cu wt. kg/km
3x50	2.2	1.8	31.2	1/2.0	2.1	38.0	42.0	378	4100	1600
3x70	2.2	1.8	34.7	1/2.0	2.2	41.5	45.5	410	5150	2300
3x95	2.2	1.8	38.5	1/2.0	2.3	45.7	49.7	448	6150	3200
3x120	2.2	2.2	42.5	1/2.5	2.4	50.7	54.7	493	7750	4000
3x150	2.2	2.2	46.6	1/2.5	2.5	55.0	59.0	531	9000	5000
3x185	2.2	2.2	50.5	1/2.5	2.6	58.9	62.9	567	10500	6230

CONSTRUCTION AND APPLICATION NOTES	
Parameter	Value
Construction	3-core medium-voltage cable with single galvanized steel wire armour
Conductor	Electrolytic stranded copper, IEC 60228 Class 2
Insulation	PVC insulation
Bedding and sheath	PVC-based bedding and special PVC outer sheath
Installation	Fixed installation for machinery, equipment, deep mines and surface use

ELECTRICAL DATA

MGM 109 TYPE 3013 - CURRENT RATING AND RESISTANCE			
Cable type	Current at 25 deg C A	Phase and earth conductors ohm/km	Armour ohms/km
3x50	168	0.387	0.645
3x70	207	0.268	0.447
3x95	250	0.193	0.322
3x120	292	0.153	0.255
3x150	335	0.124	0.207
3x185	382	0.0991	0.165

REFERENCE INFORMATION	
Parameter	Value
Product family	MGM 109 Type 3013
Rated voltage	1900/3300 V
Test voltage	10 kV
Related standard	MGM 109/1983
Notice	Values correspond to the source specification and may change without notice

CERTIFICATIONS



TEBAOFLEX CABLE