



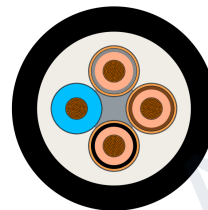
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

MGM 115 TYPE 11 MINING CABLE

EPR insulated power cable with screened phase cores



APPLICATION

Power supply for excavating and crushing machines and equipment. Suitable for deep mines where explosive gases and dust can accumulate, and for 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
Phase-core screen	Tinned copper / nylon braid
Pilot conductor	Unscreened 1x16 mm ²

CABLE DESIGN

Parameter	Value
Lay-up	All cores laid up in contact
Separator	Colored textile tape for core identification
Bedding	Rubber-based bedding compound
Outer sheath	Heavy-duty chloroprene compound
Related standard	MGM 115/1985
Core arrangement	3 screened phase cores + 1 unscreened pilot conductor

TECHNICAL DATA

MGM 115 - TYPE 11

Cable type	3x16 + 16
Phase cores / cross-section mm ²	3x16
Phase stranding mm	126/0.40
Phase conductor diameter mm	5.5
Phase insulation thickness mm	1.5
Pilot conductor / cross-section mm ²	1x16
Pilot stranding mm	126/0.40
Pilot conductor diameter mm	5.5
Pilot insulation thickness mm	1.5
Outer sheath radial diameter mm	3.1
Min. overall diameter mm	30.9
Max. overall diameter mm	34.0
Min. bending radius mm	306
Max. pulling tension kgf	384
Approx. cable weight kg/km	2000
Copper weight kg/km	1100
Continuous current rating at 25 C A	85
Intermittent current rating at 25 C A	96
Phase conductor ohm/km	1.24
Pilot conductor ohm/km	1.24
4 screens parallel ohm/km	1.05
Reactance at 50 Hz ohm/km	0.109
Reactance at 60 Hz ohm/km	0.131
Insulation resistance at 20 C Mohm/km	435
3-phase voltage drop at full load ohm/km	2.62

CERTIFICATIONS



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