



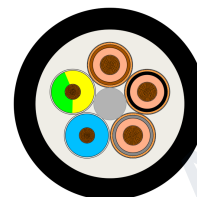
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

MGM 115 TYPE 14 MINING CABLE

EPR insulated, screened phase cores, non-armoured cable



APPLICATION

Cable for hand-held drilling machines. 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 and earth cores	Unscreened

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 core + 1 unscreened earth core

TECHNICAL DATA

MGM 115 - TYPE 14					
Cable type	3x25+2x16	3x35+2x16	3x50+2x25	3x70+2x35	3x95+2x50
Phase cores / cross-section mm ²	3x25	3x35	3x50	3x70	3x95
Phase stranding mm	196/0.40	276/0.40	396/0.40	360/0.50	475/0.50
Phase conductor diameter mm	6.75	8.00	9.75	11.60	12.75
Phase insulation thickness mm	1.6	1.6	1.7	1.8	2.0
Earth cores / cross-section mm ²	1x16	1x16	1x25	1x35	1x50
Earth stranding mm	126/0.40	126/0.40	196/0.40	276/0.40	396/0.40
Earth conductor diameter mm	5.50	5.50	6.75	8.00	9.75
Earth insulation thickness mm	1.6	1.6	1.7	1.8	2.0
Pilot cores / cross-section mm ²	1x25	1x35	1x50	1x70	1x95
Pilot stranding mm	196/0.40	276/0.40	396/0.40	360/0.50	475/0.50
Pilot conductor diameter mm	6.75	8.00	9.75	11.60	12.75
Pilot insulation thickness mm	1.5	1.5	1.6	1.6	1.7
Min. overall diameter mm	43.2	47.3	53.7	61.2	69.3
Max. overall diameter mm	46.5	50.7	57.6	65.0	73.9
Min. bending radius mm	419	457	519	585	666
Outer sheath radial thickness mm	5.0	5.2	5.7	6.3	7.0
Max. pulling tension kgf	638	729	910	1148	1446
Approx. cable weight kg/km	3550	4280	5650	7520	9800
Copper weight kg/km	1307	1675	2340	3228	4326
Continuous current rating at 25 C A	110	135	170	205	250
Short-circuit current for 1 s A	3450	3450	4550	4820	7300
Phase and earth conductors ohm/km	0.795	0.565	0.393	0.277	0.210
Pilot conductor ohm/km	1.240	1.240	0.795	0.565	0.393
3 screens parallel ohm/km	1.10	1.20	1.40	0.70	0.85

CERTIFICATIONS



TEBAOFLEX CABLE