

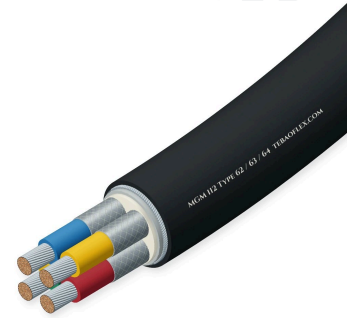


Heavy-duty rubber cables (NSSHÖU)

MGM 112 Type 62 / 63 / 64

Screened Armoured Cable

660/1,100 V 2- to 4-core screened pliable-wire-armoured mining auxiliary cable



MGM 112 · BS 6708 Type 62/63/64

U0/U 660/1,100 V

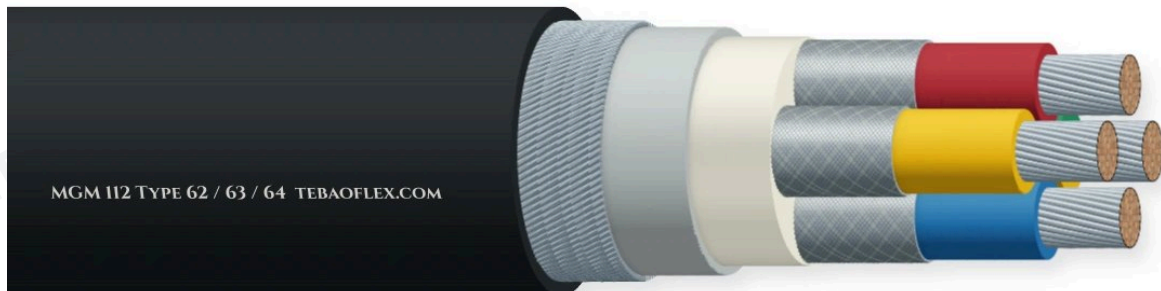
2-4C Screened · PWA

Application

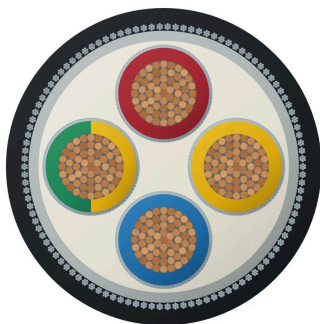
Low-voltage 660/1,100 V underground mining auxiliary, lighting and control cable to MGM 112 and BS 6708 in Type 62 (2C), Type 63 (3C) and Type 64 (3S+1E) with Class 5 tinned copper (4–10 mm²), EPR insulation, Cu/nylon core screens, steel PWA and PCP sheath.

Typical uses: Underground mine roadway lighting, Longwall face signalling & interlocks, Gate-end auxiliary & pilot feeders, Small underground pumps & winches, Gassy coal & hard-rock mine galleries

Construction



MGM 112 TYPE 62 / 63 / 64 TEBAOFLEX.COM



Cross-section, not to scale

1	Tinned copper conductor	IEC 60228 Class 5
2	EPR core insulation	BS 7655-1.2 GP8 / MGM 112
3	Individual core screen	MGM 112 / BS 6708 Type 62/63/64
4	Elastomeric cradle center	MGM 112 / BS 6708
5	Elastomeric inner bedding	MGM 112 inner bedding
6	Pliable wire armour (PWA)	MGM 112 / BS 6708 PWA
7	Heavy-duty PCP outer sheath	BS 7655-2.1 / IEC 60332-1-2

Technical data

Typical values

Rated voltage U0/U	660/1,100 V (640/1,100 V AC · 1.1 kV mining system)	AC test voltage	2500–3000 V AC (50 Hz, 5 min)
Conductor stranding	IEC 60228 / BS EN 60228 Class 5 tinned copper (4, 6 & 10 mm ²)	Core screening	Individual tinned-copper/nylon braid over each live conductor
Earth fault path	Core screens + galvanised steel PWA (plus 4th earth core in Type 64)	Max. conductor temperature	+90 °C continuous operation
Short-circuit temperature	+250 °C max. (up to 5 s)	Temperature, flexing	–25 °C to +80 °C
Temperature, fixed	–40 °C to +80 °C	Min. bending radius	6 × overall diameter
Armour construction	Galvanised steel pliable wire armour (PWA) in multi-wire strands	Core cradle	Central elastomeric cradle prevents core-to-core pinch under rock impact
Mechanical duty	Heavy underground gallery lighting, control & auxiliary duty	Flame retardance	IEC 60332-1-2 / BS EN 60332-1-2 underground mine flame test
Oil & hydraulic emulsion	EN 60811-404 mineral oil, grease & hydraulic fluid resistant	Mine water & humidity	Resistant to wet coal-mine roadways, sludge and grease
Abrasion & tear	Heavy-duty RS4/EM2 polychloroprene outer sheath	Standards	TTK MGM 112 / BS 6708 Type 62, Type 63 & Type 64
Standard packing	Heat-treated ISPM-15 timber drums with sealed cable ends		

Sizes

9 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

Order designation	Cores × mm ²	AWG ≈	Outer Ø min mm	Outer Ø max mm	Copper kg/km	Weight ≈ kg/km	Min. bend R mm
MGM 112 Type 62 — 2 Screened Cores + Pliable Wire Armour (4–10 mm², 660/1,100 V) 3 sizes							
☐ MGM 112 Type 62 2×4	2×4	12	19.1	20.8	120	690	125
☐ MGM 112 Type 62 2×6	2×6	10	20.6	22.4	165	810	134
☐ MGM 112 Type 62 2×10	2×10	8	23.2	25.2	255	1,060	151
MGM 112 Type 63 — 3 Screened Cores + Pliable Wire Armour (4–10 mm², 660/1,100 V) 3 sizes							
☐ MGM 112 Type 63 3×4	3×4	12	20.4	22.2	175	810	133
☐ MGM 112 Type 63 3×6	3×6	10	22.5	24.5	240	1,020	147
☐ MGM 112 Type 63 3×10	3×10	8	25.4	27.6	360	1,340	166
MGM 112 Type 64 — 3 Screened Cores + 1 Earth Core + Pliable Wire Armour (4–10 mm², 660/1,100 V) 3 sizes							
☐ MGM 112 Type 64 4×4	4×4	12	22.1	24.0	215	960	144
☐ MGM 112 Type 64 4×6	4×6	10	24.3	26.4	295	1,190	158
☐ MGM 112 Type 64 4×10	4×10	8	27.4	29.8	455	1,580	179

– Dimensions and weights are typical values per MGM 112 / BS 6708 Type 62, 63, 64. Minimum fixed bending radius shown is 6 × OD.

Electrical & current ratings

3 sizes

Cross-section mm ²	AWG ≈	Max. DC resistance 20 °C, Ω/km	1-core in air 30 °C, A	3–4 core in air 30 °C, A
4	12	5.09	41	34
6	10	3.39	53	44
10	8	1.95	74	61

– Current ratings at 30 °C ambient in free air per DIN VDE 0298-4 / EN 50565-1. Apply derating factors for elevated ambient temperature or reeling layer grouping.

Standards and approvals

✓ MGM 112 / BS 6708 Type 62, 63, 64

✓ CE · RoHS 2 (2011/65/EU) · REACH

Certifications



Management systems: ISO 9001, ISO 14001, ISO 45001

Request a quotation

Send the size, length and destination. An application engineer replies within 2 business hours.

WhatsApp / phone

+86 185 9591 3361

Email

info@tebaoflex.com

Web

tebaoflex.com/cables/mgm-112-two-to-four-core-screened-armoured-cable



Typical values for this cable type, based on MGM 112 / BS 6708 Type 62, 63, 64. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.