



SCGMS 19050 Type 1A/1B mining cable

SCGMS 19050 Type 1A / 1B

Unscreened Mining Feeder & Auxiliary

French SCGMS 19050 Type 1A & 1B 0.6/1 kV unscreened EPR/PCP flexible mining cable



SCGMS 19050 & NF M 82-375

Type 1A (Power) & 1B (Control)

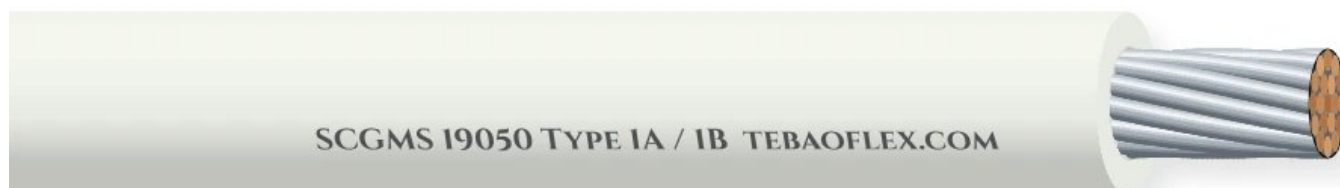
0.6/1 kV · EPR / Heavy PCP Sheath

Application

Heavy-duty French underground mining and tunnelling flexible power feeder (Type 1A) and multicore auxiliary control cable (Type 1B) built to Charbonnages de France SCGMS 19050 and NF M 82-375 with Class 5 tinned copper conductors, +90 °C EPR insulation.

Typical uses: Underground Coal, Potash, Phosphate & Gold Mines, Francophone African & European Mining Operations, Tunnel Boring Machine (TBM) Auxiliary Gantries, Subsurface Dewatering Pump & Ventilation Stations

Construction



Cross-section, not to scale

- 1 Flexible stranded tinned copper (Class 5)
- 2 Cross-linked Ethylene Propylene Rubber (EPR)
- 3 Extruded elastomeric inner bedding sheath
- 4 Heavy-duty Polychloroprene (PCP / Neoprene) outer

Technical data

Typical values

Rated voltage (U_0/U)	0.6/1 kV AC ($U_{max} = 1.2$ kV AC / 1.5 kV DC)	Routine AC dielectric test voltage	3.0 kV / 3.5 kV AC rms for 5 minutes
Max. conductor DC resistance @ 20 °C	Per NF EN 60228 Class 5 tinned copper	Operating temperature range	-25 °C to +90 °C max. conductor · +250 °C short-circuit (5 s)
Thermal cycling & overload stability	Verified thermal ageing and short-circuit withstand per standard	Outer sheath tear & abrasion resistance	Heavy-duty Polychloroprene (EM2 / 5GM3 grade) with inner elastomeric
Minimum bending radius	6 × OD (fixed) · 8 × OD (mobile handling)	Flame & oil resistance	NF C 32-070 C2 & IEC 60332-1-2 flame retardant · IRM 902 mineral oil
Environmental & chemical durability	Resistant to moisture, industrial fluids and service ageing	Standards	Charbonnages de France SCGMS 19050, NF M 82-375 & IEC 60245-4

Sizes

11 standard constructions

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

Order designation	Configuration	Voltage	Outer Ø ≈ mm	Copper kg/km	Weight ≈ kg/km	In air 30 °C A	Min. bend R mm
SCGMS 19050 Type 1A — 0.6/1 kV Unscreened Flexible Mining Power Feeders 8 sizes							
☐ SCGMS 19050 Type 1A 4G4	4G4 mm ²	0.6/1 kV	16.2	154	375	36	97
☐ SCGMS 19050 Type 1A 4G10	4G10 mm ²	0.6/1 kV	21.8	384	720	63	131
☐ SCGMS 19050 Type 1A 4G16	4G16 mm ²	0.6/1 kV	25.0	614	1,020	84	150
☐ SCGMS 19050 Type 1A 4G25	4G25 mm ²	0.6/1 kV	29.5	960	1,490	112	177
☐ SCGMS 19050 Type 1A 4G35	4G35 mm ²	0.6/1 kV	32.8	1,344	1,940	138	197
☐ SCGMS 19050 Type 1A 4G50	4G50 mm ²	0.6/1 kV	37.6	1,920	2,650	168	226
☐ SCGMS 19050 Type 1A 4G70	4G70 mm ²	0.6/1 kV	42.5	2,688	3,580	213	255
☐ SCGMS 19050 Type 1A 4G95	4G95 mm ²	0.6/1 kV	47.8	3,648	4,690	258	287
SCGMS 19050 Type 1B — 0.6/1 kV Unscreened Auxiliary Control & Signalling Cables 3 sizes							
☐ SCGMS 19050 Type 1B 7G1.5	7G1.5 mm ²	0.6/1 kV	15.8	101	330	16	95
☐ SCGMS 19050 Type 1B 12G2.5	12G2.5 mm ²	0.6/1 kV	22.4	288	710	18	134
☐ SCGMS 19050 Type 1B 19G1.5	19G1.5 mm ²	0.6/1 kV	23.0	274	745	12	138

– Single-core and 3-core / 5-core Type 1A sizes up to 150 mm² are also manufactured.

Standards and approvals

- ✓ Charbonnages de France SCGMS 19050 Compliant
- ✓ NF M 82-375 & NF C 32-070 C2 Flame Retardant
- ✓ CE, RoHS 2 & 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/scgms-19050-type-1a-1b-unscreened-mining-feeder-auxiliary-power-cable



Typical values for this cable type, based on Charbonnages de France SCGMS 19050 / NF M 82-375 / IEC 60245. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.