



Mining trailing & reeling cables

BS 6708 Type 44 Drill Cable

BS 6708 Type 44 Handheld Drilling Machine Cable

72/125 V (125/72 V) 5×6 mm² coal-drill cable with composite copper/nylon phase screens



BS 6708 Type 44

72/125 V (125/72 V) · 5×6 mm²

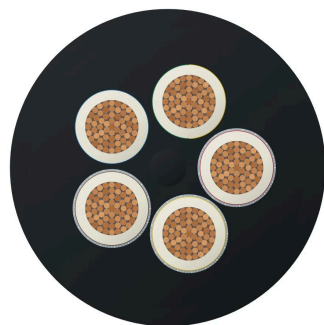
Composite Phase Screens

Application

72/125 V (125/72 V) five-core 5×6 mm² flexible drilling machine cable to BS 6708:1998 for handheld coal and stone drills, with composite tinned-copper/nylon braided screens on the three phase cores, elastomeric cradle and 3.0 mm heavy-duty PCP sheath.

Typical uses: Handheld rotary coal drills, Underground stone & roof-bolting drills, 125 V drill gate-end box leads, Deep-mine gassy workings, Tunnel heading drill jumbos (125 V aux), Surface quarry handheld drills

Construction



Cross-section, not to scale

1	5 × 6 mm ² conductors	IEC 60228 Class 5
2	Core insulation	BS 7655 / BS 6708
3	Identification tape	
4	Composite phase screens	
5	Elastomeric cradle	
6	Inner bedding	
7	Outer sheath	BS 6708 / BS 7655 EM2

Technical data

Typical values

Rated voltage (U0/U) 72/125 V AC (U0/U, written 125/72 V on UK drill gate-end transformers)

Current & short-circuit rating 46 A continuous current rating at 25 °C ambient · 908 A 1-second short-circuit rating

Phase core screening Individual composite tinned copper and nylon braided screen over each of the 3 phase cores (11 mm² total screen CSA); earth and pilot cores unscreened

Operating temperature range -25 °C to +85 °C ambient flex / coalface service range (current rating referenced at 25 °C)

Max. pulling tension & weight 218 kgf maximum pulling tension · 1,150 kg/km total mass (400 kg/km copper weight)

Flame retardance Flame retardant polychloroprene outer sheath to BS 6708 / BS EN 60332-1-2

Standards BS 6708 Type 44; IEC 60228 Class 5; BS 7655

AC test voltage 1.5 kV AC dielectric test on all cores

Max. core & screen DC resistance 3.48 Ω/km max. DC resistance at 20 °C on phase, earth and pilot cores · 11.0 Ω/km max. across 3 phase screens in parallel

Max. conductor temperature +90 °C maximum continuous conductor temperature (EPR insulation)

Minimum bending radius 241 mm minimum bending radius (9 × maximum overall diameter)

Dimensional profile 5 × 6 mm² (84/0.30 mm, Ø 3.30 mm) · 1.00 mm EPR insulation · elastomeric cradle · rubber bedding · 3.0 mm heavy-duty PCP outer sheath · 24.7–26.7 mm OD

Coalface mechanical & chemical resistance 3.0 mm heavy-duty PCP sheath + nylon-reinforced copper phase screens resist coalface abrasion, oil, water and repetitive flexing

Sizes

1 standard constructions

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

Type · nominal CSA mm ²	Conductor stranding	Cond. Ø mm	EPR insul. mm	Total screen mm ²	Outer PCP sh. mm	Min. OD mm	Max. OD mm	Min. R mm	Max. pull kgf	Mass ≈ kg/km	Cu wt kg/km	Current (25 °C) A	1 s SC A	Core DC res. Ω/km	3-scr. res. Ω/km
☐ Type 44 · 5×6 (3×6 scr. + 1×6E + 1×6P)	84/0.30	3.30	1.00	11.0	3.0	24.7	26.7	241	218	1,150	400	46	908	3.48	11.0

– Three composite tinned-copper/nylon phase screens provide 11 mm² total metallic screen area ($\leq 11.0 \Omega/\text{km}$ in parallel at 20 °C), increasing copper mass to 400 kg/km vs 150 kg/km on Type 43.

Standards and approvals

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

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