



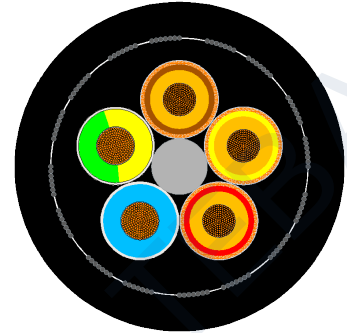
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

BS 6708 TYPE 44 125/72 V CABLE

Hand-held drilling machine cable



APPLICATION

Used for supplying hand-held drilling machines in deep mines where explosive gases and dust can accumulate, and on the surface.

CONSTRUCTION

Parameter	Value
Conductor	Electrolytic, stranded, tinned copper wire, IEC 60228 Class 5
Insulation	EPR
Separator	Colored textile tape for core identification
Screen	Tinned copper and nylon braided screen over phase cores; pilot and earth cores are not screened
Lay-up	All cores are laid up in contact with each other
Bedding	Rubber based bedding compound
Outer sheath	Heavy duty chloroprene outer sheath

CABLE CHARACTERISTICS

Parameter	Value
Standard	BS 6708
Rated voltage	125/72 V
Test voltage	1.5 kV
Cable type	Three phase cores with composite individual screens, one unscreened pilot core and one unscreened earth core laid up around an elastomeric cradle

TECHNICAL DATA

Complete nominal dimensional data. Source ordering codes have been omitted.

CORE DIMENSIONS					
Nominal cross section	Phase / earth / pilot conductors	Stranding mm	Conductor diameter mm	Insulation thickness mm	Total screen cross section mm2
5x6	3x6 / 1x6 / 1x6	84/0.30	3.30	1.00	11

CABLE DETAILS							
Nominal cross section	Min. OD mm	Max. OD mm	Min. bend radius mm	Outer sheath thickness mm	Max pulling tension kgf	Approx. weight kg/km	Copper weight kg/km
5x6	24.7	26.7	241	3.0	218	1150	400

TECHNICAL DATA

Complete nominal dimensional data. Source ordering codes have been omitted.

CURRENT RATINGS		
Nominal cross section	Continuous current rating at 25 deg C A	Short circuit current for 1 s A
5x6	46	908

ELECTRICAL DETAILS			
Nominal cross section	Phase and earth conductors Max. DC res. at 20 deg C ohm/km	Pilot conductor Max. DC res. at 20 deg C ohm/km	3 screens in parallel Max. DC res. at 20 deg C ohm/km
5x6	3.48	3.48	11

NOTES

Nominal values are for cable selection. Actual cable dimensions may vary due to manufacturing tolerances.

CERTIFICATIONS



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