



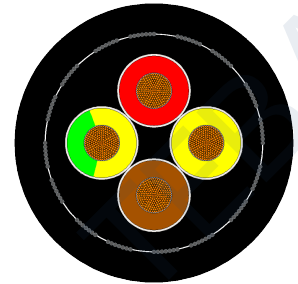
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

BS 6708 TYPE 70 / TYPE 71 320/550 V CABLE

Power supply cable with galvanized steel armouring



APPLICATION

Used for supplying excavating and crushing machines and equipment, as well as coalface lighting.

ENVIRONMENT

Designed for deep mines where explosive gases and dust can accumulate, and for surface applications.

CONSTRUCTION

Parameter	Value
Conductor	Electrolytic stranded tinned copper wire, IEC 60228 Class 5
Insulation	EPR insulation
Lay-up	Four or five unscreened cores laid up in contact with each other
Bedding	Rubber based bedding compound
Armour	Galvanized steel pliable armour
Outer sheath	Heavy duty chloroprene outer sheath

CABLE CHARACTERISTICS

Parameter	Value
Standard	BS 6708
Rated voltage	320/550 V
Test voltage	1.5 kV
Type 70	Four-core unscreened power supply cable with pliable armour between inner and outer sheaths
Type 71	Five-core unscreened power supply cable with pliable armour between inner and outer sheaths

TECHNICAL DATA

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

CORE DIMENSIONS				
Type	Nominal cross section	Stranding mm	Cond. dia. mm	Insul. thick. mm
Type 70	4x4	56/0.30	2.60	1.0
Type 71	5x4	56/0.30	2.60	1.0

CABLE DIMENSIONS								
Type	Nominal cross section	Inner sheath radial thick. mm	Min. inner sheath dia. mm	Max. inner sheath dia. mm	Armour size mm	Outer sheath thick. mm	Min. OD mm	Max. OD mm
Type 70	4x4	2.0	15.8	17.8	7/0.45	2.5	23.5	26.0
Type 71	5x4	2.0	17.2	19.2	7/0.45	2.5	24.9	27.4

MECHANICAL AND ELECTRICAL DETAILS							
Type	Min. bend radius mm	Max pulling tension kgf	Approx. weight kg/km	Copper weight kg/km	Current rating at 25 deg C A	Phase cond. DC res. ohm/km	Armour DC res. ohm/km
Type 70	234	96	1100	154	28	5.09	5.07
Type 71	247	100	1230	192	28	5.09	4.63

NOTES

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

CERTIFICATIONS

