



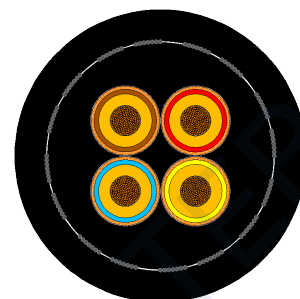
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

BS 6708 TYPE 62 / TYPE 63 / TYPE 64 640/1100 V CABLE

Power supply cable with galvanized steel armouring



APPLICATION

Used for supplying excavating and crushing machines and equipment, as well as coalface lighting, in deep mines or surface environments where explosive gases and dust can accumulate.

CONSTRUCTION

Parameter	Value
Conductor	Electrolytic stranded tinned copper wire, IEC 60228 Class 5
Insulation	EPR insulation
Screen	Tinned copper and nylon braided screen over phase and pilot cores
Lay-up	Two, three or four composite individually screened cores laid up in contact with each other
Bedding	Rubber based bedding compound
Armour	Galvanized steel pliable armour between inner and outer sheaths
Outer sheath	Heavy duty chloroprene outer sheath

CABLE CHARACTERISTICS

Parameter	Value
Standard	BS 6708
Rated voltage	640/1100 V
Test voltage	2.5 kV
Type range	Type 62: 2x4; Type 63: 3x4; Type 64: 4x4

TECHNICAL DATA

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

CORE DIMENSIONS						
Type	Nominal cross section	Conductors	Stranding mm	Cond. dia. mm	Insul. dia. mm	Screen dia. mm
Type 62	2x4	2x4	56/0.30	2.60	4.80	6.00
Type 63	3x4	3x4	56/0.30	2.60	4.80	6.00
Type 64	4x4	4x4	56/0.30	2.60	4.80	6.00

CABLE DETAILS									
Type	Nominal cross section	Min. inner sheath dia. mm	Max. inner sheath dia. mm	Min. OD mm	Max. OD mm	Min. bend radius mm	Max pulling tension kgf	Approx. weight kg/km	Copper weight kg/km
Type 62	2x4	16.2	18.2	23.9	26.4	270	48	1080	132
Type 63	3x4	17.1	19.1	24.8	27.3	280	72	1230	200
Type 64	4x4	18.7	20.7	26.4	29.9	290	96	1400	264

ELECTRICAL DETAILS									
Type	Nominal cross section	Current rating A	Phase cond. DC res. ohm/km	Screens in parallel ohm/km	Armour DC res. ohm/km	Reactance 50 Hz ohm/km	Reactance 60 Hz ohm/km	Min. insul. resistance Mohm/km	Voltage drop mV/A/m
Type 62	2x4	28	5.09	5.5	4.91	0.119	0.143	590	12.38
Type 63	3x4	28	5.09	3.9	4.63	0.119	0.143	590	10.72
Type 64	4x4	28	5.09	2.8	4.16	0.119	0.143	590	10.72

NOTES

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

CERTIFICATIONS

