



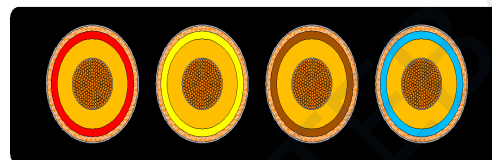
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

BS 6708 TYPE FS4 640/1100 V FLAT CABLE

Flat power supply cable for catenary systems and similar purposes



APPLICATION

Used as a supply cable on overhead catenary systems and similar applications 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
Separator	Coloured textile tape for core identification
Screen	Tinned copper braided screen over phase and pilot cores
Lay-up	All cores are laid parallel in flat configuration without contacting each other
Outer sheath	Heavy duty chloroprene outer sheath

CABLE CHARACTERISTICS

Parameter	Value
Standard	BS 6708
Rated voltage	640/1100 V
Test voltage	3 kV
Cable type	Flat configuration with individually screened phase and pilot cores

TECHNICAL DATA

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

CORE DIMENSIONS				
Nominal cross section	Conductors	Stranding mm	Cond. dia. mm	Insul. thick. mm
4x2.5	4x2.5	50/0.25	2.10	1.0
4x4	4x4	50/0.30	2.70	1.0

CABLE DETAILS						
Nominal cross section	Outer sheath thick. mm	Min. overall dimensions mm	Max. overall dimensions mm	Min. bend radius mm	Approx. weight kg/km	Copper weight kg/km
4x2.5	3.8	18.1 x 12.4	20.1 x 14.4	100	450	160
4x4	3.8	32.2 x 13.3	34.1 x 15.3	120	550	230

CURRENT RATINGS	
Nominal cross section	Continuous current rating at 25 deg C A
4x2.5	28
4x4	37

ELECTRICAL DETAILS		
Nominal cross section	Conductors DC res. at 20 deg C ohm/km	Each screen DC res. at 20 deg C ohm/km
4x2.5	7.82	7.40
4x4	4.85	8.48

NOTES

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

CERTIFICATIONS

