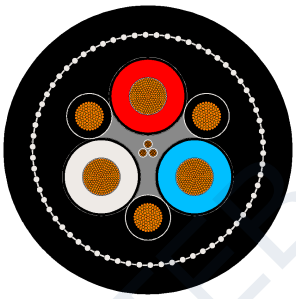
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrialcable

TYPE 245 FLEXIBLE RUBBER MINING CABLE

1.1 kV to 6.6 kV longwall shearer cable to AS/NZS 1802



APPLICATION

Mainly used as longwall shearer cables, and also for continuous miners and peripheral longwall cables. The cable has three central pilots for earth continuity monitoring and control circuits.

CONSTRUCTION

Parameter	Value
Conductor	Flexible stranded tinned annealed copper
Conductor screen	Semi-conductive compound for cables rated 3.3 kV and above
Insulation	EPR compound
Insulation screen	Semi-conductive elastomer
Cradle separator	Semiconductive PCP
Central extensible pilot	EPR covered flexible stranded tinned copper
Overall core screen	Semiconductive PCP filling and covering
Interstitial earth conductor	Semi-conductive PCP covered flexible stranded tinned copper
Reinforcing braid	Open-weave yarns
Sheath	Heavy duty PCP sheath; CPE/CSP sheath available upon request

CABLE CHARACTERISTICS

Parameter	Value
Standard	AS/NZS 1802
Voltage rating	1.1 kV Type 245.1; 3.3 kV Type 245.3; 6.6 kV Type 245.6
Maximum continuous operating temperature	+90 deg C
Minimum installation temperature	-25 deg C
Installation conditions	Longwall shearer, continuous miner and peripheral longwall cable service
Sheath colour	Black
Flame performance	C1

TECHNICAL DATA

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

TYPE 245.1 - 1.1 kV										
Cores	Area mm2	Conductor strand	Insul. mm	Core screen strand	Screen mm2	Pilot strand	Pilot cover mm	Sheath mm	Cable Dia. mm	Mass kg/100m
3	16	133/0.40	2.0	69/0.25	1.8	28/0.25	0.8	4.1	42.6	235
3	25	259/0.36	1.6	91/0.25	1.8	28/0.25	0.8	4.2	43.4	269
3	35	287/0.40	1.6	140/0.25	1.4	28/0.25	0.8	4.4	45.6	315
3	50	703/0.30	1.7	120/0.30	1.0	28/0.25	0.8	4.8	48.4	390
3	70	988/0.30	1.8	180/0.30	1.0	28/0.25	0.8	5.1	53.9	501
3	95	1332/0.30	2.0	150/0.30	1.0	28/0.25	0.8	5.6	60.4	630
3	120	1702/0.30	2.1	195/0.30	1.2	28/0.25	0.8	6.0	65.5	765
3	150	2146/0.30	2.3	235/0.30	1.2	28/0.25	0.8	6.3	70.5	915

TYPE 245.3 - 3.3 kV										
Cores	Area mm2	Conductor strand	Insul. mm	Core screen strand	Screen mm2	Pilot strand	Pilot cover mm	Sheath mm	Cable Dia. mm	Mass kg/100m
3	25	259/0.36	3.0	91/0.25	1.5	28/0.25	0.8	5.2	51.1	338
3	35	287/0.40	3.0	140/0.25	1.0	28/0.25	0.8	5.4	54.5	398
3	50	703/0.30	3.0	120/0.30	1.0	28/0.25	0.8	5.7	56.8	490
3	70	988/0.30	3.0	180/0.30	1.2	28/0.25	0.8	6.0	61.2	592
3	95	1332/0.30	3.0	235/0.30	1.2	28/0.25	0.8	6.4	66.6	739
3	120	1702/0.30	3.0	300/0.30	1.2	28/0.25	0.8	6.7	71.0	870
3	150	2146/0.30	3.0	375/0.30	1.2	28/0.25	0.8	7.0	75.2	1028

TYPE 245.6 - 6.6 kV										
Cores	Area mm2	Conductor strand	Insul. mm	Core screen strand	Screen mm2	Pilot strand	Pilot cover mm	Sheath mm	Cable Dia. mm	Mass kg/100m
3	50	703/0.30	5.0	120/0.30	1.4	28/0.25	0.8	6.7	67.2	635
3	70	988/0.30	5.0	180/0.30	1.4	28/0.25	0.8	7.0	71.7	755
3	95	1332/0.30	5.0	235/0.30	1.4	28/0.25	0.8	7.4	77.1	905
3	120	1702/0.30	5.0	300/0.30	1.4	28/0.25	0.8	7.7	81.3	1050
3	150	2146/0.30	5.0	375/0.30	1.4	28/0.25	0.8	8.0	85.8	1210

CERTIFICATIONS