



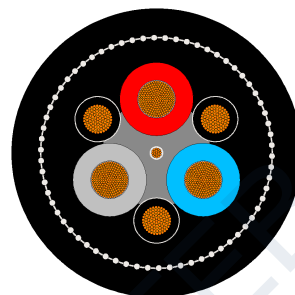
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrialcable

TYPE 275 SHUTTLE CAR CABLE

1.1 kV shuttle car cable to AS/NZS 1802



APPLICATION

Used with high-speed reeling equipment on shuttle cars and subject to severe underground exertion. Cable constructions are designed to resist corkscrewing in arduous conditions, with non-individually screened power cores, three earth cores and one extensible pilot.

CONSTRUCTION

Parameter	Value
Core	Tinned copper, three phase cores, three earth cores plus pilot
Flexibility	Flexible construction for shuttle car reeling service
Lay-up	Non-individually screened power cores laid up in a semiconductive cradle and fill
Insulation	EPR compound, R-EP-90; core colours red, white and blue
Screen	Semiconductive elastomer filling
Pilot	One pilot in the centre of the cable
Earth	Three semi-conductive elastomer covered flexible earth cores located in the interstices
Sheath	Semiconductive elastomer filled, with open weave reinforcement under heavy duty HD-85-PCP sheath

CABLE CHARACTERISTICS

Parameter	Value
Standard	AS/NZS 1802
Voltage range	1.1 kV
Maximum continuous operating temperature	+90 deg C
Minimum installation temperature	-25 deg C
Installation conditions	High-speed reeling equipment on shuttle cars and mobile mining machines
Oil / water performance	Excellent immersion performance and very good flexibility
Flame performance	C1

TECHNICAL DATA

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

TYPE 275.1 - 1.1 kV											
Part	Area mm2	Cond. Dia. mm	Insul. mm	AC Res. oh/km	React. oh/km	Volt Drop mV/A.m	Cap. uF/km	Earth mm2	Sheath mm	Cable Dia. mm	Mass kg/100m
16-275-1	16	6.0	1.6	1.58	0.109	2.74	0.377	4.5	3.8	31.8	170
25-275-1	25	7.3	1.6	0.951	0.102	1.66	0.443	6.6	4.0	35.0	225
35-275-1	35	8.9	1.6	0.698	0.0963	1.22	0.521	9	4.3	39.0	285
50-275-1	50	10.2	1.7	0.523	0.0943	0.920	0.551	13.2	4.7	43.3	370

CERTIFICATIONS

