



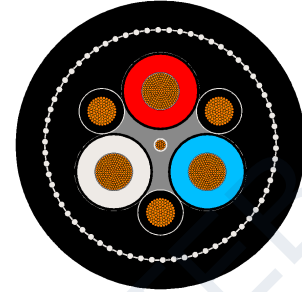
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrialcable

TYPE 241 SUPERFLEX CABLE

1.1/1.1 kV to 6.6/6.6 kV flexible trailing cable to AS/NZS 1802



APPLICATION

Similar to Type 241 cables but more flexible, with a smaller natural bending radius. Suitable for monorail cable loops where narrower loops save space for other equipment and reduce snagging opportunities in mining service.

CONSTRUCTION

Parameter	Value
Conductors	Flexible stranded tinned annealed copper conductors
Conductor screen	Semiconductive compound for voltage ratings of 3.3/3.3 kV and above
Insulation	EPR compound
Insulation screen	Semiconductive elastomer
Cradle separator	Semiconductive PCP
Overall core screen	Semiconductive PCP filling and covering
Earth conductors	Three interstitial earth conductors with semiconductive PCP covering
Pilot	One central extensible pilot with EPR covered flexible stranded tinned copper conductor
Reinforcement	Open-weave braid reinforcement
Sheath	Heavy duty PCP sheath; heavy duty CPE/CSP sheath available upon request

CABLE CHARACTERISTICS

Parameter	Value
Standard	AS/NZS 1802
Voltage range	1.1/1.1 kV to 6.6/6.6 kV
Maximum continuous operating temperature	+90 deg C
Minimum installation temperature	-25 deg C
Installation conditions	Flexible trailing and reeling service for mining equipment
Flexibility	Superflex construction for smaller natural bending radius
Flame performance	C1

TECHNICAL DATA

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

TYPE 241.1 - 1.1/1.1 kV								
Area mm2	Conductor strand	Insul. mm	Earth strand	Earth cover mm	Pilot strand	Pilot cover mm	Cable Dia. mm	Mass kg/100m
70	361/0.50	1.8	110/0.40	1.0	40/0.20	0.8	53.0	485
95	475/0.50	2.0	85/0.40	1.0	40/0.20	0.8	58.8	595
120	608/0.50	2.1	110/0.40	1.2	40/0.20	0.8	62.5	715
150	740/0.50	2.3	135/0.40	1.2	40/0.20	0.8	67.0	840
185	925/0.50	2.5	165/0.40	1.4	40/0.20	0.8	75.1	1040
240	1221/0.50	2.8	216/0.40	1.4	40/0.20	0.8	85.7	1340

TYPE 241.3 - 3.3/3.3 kV								
Area mm2	Conductor strand	Insul. mm	Earth strand	Earth cover mm	Pilot strand	Pilot cover mm	Cable Dia. mm	Mass kg/100m
70	361/0.50	3.0	110/0.40	1.2	40/0.20	0.8	61.2	590
95	475/0.50	3.0	135/0.40	1.2	40/0.20	0.8	65.9	710
120	608/0.50	3.0	165/0.40	1.2	40/0.20	0.8	68.9	820
150	740/0.50	3.0	216/0.40	1.2	40/0.20	0.8	72.5	940
185	925/0.50	3.0	252/0.40	1.4	40/0.20	0.8	79.4	1130
240	1221/0.50	3.0	324/0.40	1.4	40/0.20	0.8	88.3	1420

TYPE 241.6 - 6.6/6.6 kV								
Area mm2	Conductor strand	Insul. mm	Earth strand	Earth cover mm	Pilot strand	Pilot cover mm	Cable Dia. mm	Mass kg/100m
70	361/0.50	5.0	110/0.40	1.4	40/0.20	0.8	72.1	750
95	475/0.50	5.0	135/0.40	1.4	40/0.20	0.8	77.0	885
120	608/0.50	5.0	165/0.40	1.4	40/0.20	0.8	79.9	1000
150	740/0.50	5.0	216/0.40	1.4	40/0.20	0.8	83.3	1130
185	925/0.50	5.0	252/0.40	1.4	40/0.20	0.8	90.2	1330
240	1221/0.50	5.0	324/0.40	1.4	40/0.20	0.8	99.1	1640

CERTIFICATIONS

