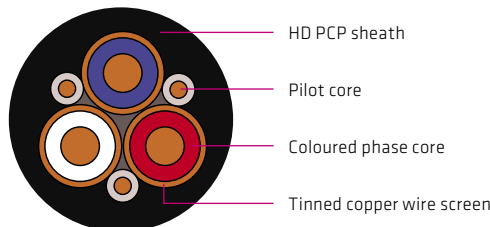


Type A and Type B 1.1 kV



Cable description

1.1/1.1 kV feeder cables to AS/NZS 1972.

Application

Individually screened power cores. 1.1/1.1 kV cable suitable for applications where the conductivity of the combined screens must meet the requirements of AS/NZS 1972. Type A cables have three pilot cores. Type B cables have no pilots.

For use between transportable substations and associated equipment, where the cable has to be frequently moved.

Approvals

AS/NZS 1972

Behaviour in flame and fire

Fire retardant

Temperature range

Maximum operating temperature: +90 °C

Minimum operating temperature: -25 °C

Flexibility

Semi-flexible

Resistance to

Chemical exposure: Very good/Frequent

Mechanical impact: Heavy

Water exposure: Immersion/Temporary coverage

Solar radiation and

weather exposure: Excellent/Permanent.

Cable design

EPR insulated, screened, PCP sheathed cable.

Core: Metal: Tinned Copper, three core (plus three symmetrical pilots in Type A).

Conductor tape: Polyester textile.

Insulation: EPR (R-EP-90)
Core colours: red, white, blue, under a semiconductive tape.

Earth: Screen (earth) of tinned annealed copper wire.

Pilot: Three elastomer covered in the cable interstices (Type A only).

Sheath: Heavy duty HD-85-PCP.

Installation conditions

In free air

In duct

Mobile equipment

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Physical & electrical characteristics

Type A and Type B 1.1 kV													
Voltage rating & part number	Power conductor							Pilot		Screen	Cable		
	Nominal area mm ²	No. of cores	Nominal diameter mm	Insulation thickness mm	ac Resistance @ 90°C & 50Hz Ω/km	Reactance @ 50Hz Ω/km	3 phase voltage drop @ 90°C & 50Hz mV/A.m	Approx area mm ² /phase	No. of cores	Max 20°C dc resistance, combined Ω/km	Sheath thickness mm	Nominal diameter mm	Approx mass kg/100m
1.1/1.1 kV Type A feeder cables													
16TYPEA	16	3	5.1	1.4	1.48	0.109	2.57	0.75	3	6.96	2.5	27.4	150
25TYPEA	25	3	6.7	1.4	0.936	0.0991	1.63	1	3	4.40	2.5	30.9	195
35TYPEA	35	3	7.7	1.5	0.675	0.0954	1.18	1.5	3	3.17	2.5	33.4	240
50TYPEA	50	3	9.0	1.7	0.499	0.0925	0.879	2.5	3	2.35	3.0	38.1	315
70TYPEA	70	3	10.6	1.8	0.345	0.0894	0.617	2.5	3	1.62	3.3	42.3	395
95TYPEA	95	3	12.6	2.0	0.250	0.0871	0.459	2.5	3	1.76	3.8	48.7	530
120TYPEA	120	3	14.2	2.2	0.198	0.0859	0.374	2.5	3	1.39	3.8	53.0	645
150TYPEA	150	3	15.7	2.3	0.162	0.0847	0.317	2.5	3	1.13	4.4	57.8	765
185TYPEA	185	3	17.9	2.5	0.130	0.0832	0.267	2.5	3	0.900	5.1	65.2	975
240TYPEA	240	3	20.3	2.7	0.0997	0.0841	0.226	2.5	3	0.686	5.7	74.5	1300
1.1/1.1 kV Type B feeder cables													
16TYPEB	16	3	5.1	1.4	1.48	0.106	2.57	-	-	6.96	2.5	27.1	145
25TYPEB	25	3	6.7	1.4	0.936	0.0982	1.63	-	-	4.40	2.5	30.8	190
35TYPEB	35	3	7.7	1.5	0.675	0.0954	1.18	-	-	3.17	2.5	33.4	235
50TYPEB	50	3	9.0	1.7	0.499	0.0925	0.879	-	-	2.35	3.0	38.1	305
70TYPEB	70	3	10.6	1.8	0.345	0.0894	0.617	-	-	1.62	3.3	42.3	390
95TYPEB	95	3	12.6	2.0	0.250	0.0871	0.459	-	-	1.76	3.8	48.7	525
120TYPEB	120	3	14.2	2.2	0.198	0.0859	0.374	-	-	1.39	3.8	53.0	640
150TYPEB	150	3	15.7	2.3	0.162	0.0847	0.317	-	-	1.13	4.4	57.8	760
185TYPEB	185	3	17.9	2.5	0.130	0.0832	0.267	-	-	0.900	5.1	65.2	970
240TYPEB	240	3	20.3	2.7	0.0997	0.0841	0.226	-	-	0.686	5.7	74.5	1295

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