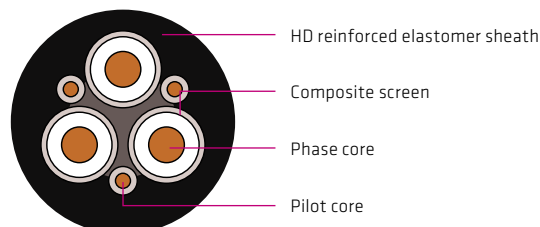


## Type 440 1.1-22 kV



### Cable description

Class 2 composite screened cable for general use.

### Application

Trailing cable with good flexibility, and high resistance to abrasion and weathering. Suitable for long lengths of cable runs, in cases where the use of Type 409 or 441 could result in pilot resistances not meeting requirements. Cable suitable for trailing and most reeling applications.

### Approvals

AS/NZS 2802

### Behaviour in flame and fire

Fire retardant

### Temperature range

Maximum operating temperature: +90 °C

Minimum operating temperature: -25 °C

### Flexibility

Flexible

### Resistance to

Chemical exposure: Very good/Frequent

Mechanical impact: Heavy

Water exposure: Immersion/Temporary coverage

Solar radiation and

weather exposure: Suitable for direct exposure

### Cable design

Composite screened power cores with three pilot cores.

Core: Metal: tinned copper, three core plus three pilots.

Conductor tape:

1.1/1.1 kV – polyester.

3.3 kV and above – semiconductive screen.

Insulation: EPR (R-EP-90) white

Insulation tape:

1.1/1.1 kV – proofed textile

3.3 kV and above – semiconductive screen

Screen: Composite screen (earth) of tinned annealed copper wire and polyester yarn.

Core colours: red, white, blue, braid tracers

Pilot: Three elastomer covered and proofed tape pilots disposed in the cable interstices.

Sheath: Heavy duty HD-85-PCP, incorporating a polyaramid yarn Kevlar® braid reinforcement (optional).

### Installation conditions

In free air

Mobile equipment

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Physical & electrical characteristics

Type 440 1.1-22 kV												
Voltage rating & part number	Power conductor							Screen	Pilot	Cable		
	Nominal area mm <sup>2</sup>	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	Capacitance to earth μF/phase/km			Approx area mm <sup>2</sup> /phase	Approx area (each) mm <sup>2</sup>	Sheath thickness mm
Type 440.1												
6-440-1	6	3.5	1.5	4.32	0.141	7.49	0.259	8.2	1	3.8	31.0	150
10-440-1	10	4.6	1.5	2.58	0.130	4.47	0.314	8.2	1.5	3.8	33.3	175
16-440-1	16	6.2	1.6	1.58	0.118	2.74	0.379	10	3	4.0	37.3	230
25-440-1	25	7.2	1.6	0.951	0.112	1.66	0.432	12	4.5	4.3	40.3	295
35-440-1	35	8.4	1.6	0.698	0.107	1.22	0.493	14	6	4.6	43.6	350
50-440-1	50	9.7	1.7	0.523	0.104	0.924	0.526	14	8	5.0	47.7	425
70-440-1	70	12.0	1.8	0.346	0.0981	0.623	0.599	16	12.5	5.4	54.0	565
95-440-1	95	13.3	2.0	0.271	0.0964	0.498	0.591	22	12.5	6.0	59.5	695
120-440-1	120	15.3	2.1	0.210	0.0932	0.398	0.640	25	13.75	6.4	65.2	845
150-440-1	150	17.2	2.3	0.166	0.0928	0.329	0.652	37	17	6.9	72.3	1065
185-440-1	185	18.8	2.5	0.137	0.0915	0.285	0.657	40	22	7.4	77.8	1245
240-440-1	240	21.7	2.8	0.106	0.0905	0.241	0.672	58	27	8.2	88.1	1610
300-440-1	300	24.3	3.0	0.0849	0.0883	0.212	0.719	63	35.7	8.8	95.5	1930
Type 440.3												
16-440-3	16	6.2	3.0	1.58	0.131	2.75	0.255	14	3	5.3	47.3	340
25-440-3	25	7.2	3.0	0.951	0.125	1.66	0.280	15	4.5	5.6	50.4	410
35-440-3	35	8.4	3.0	0.698	0.119	1.23	0.311	16	6	5.9	53.5	475
50-440-3	50	9.7	3.0	0.523	0.114	0.927	0.347	17	8	6.3	57.2	555
70-440-3	70	12.0	3.0	0.346	0.106	0.627	0.408	19	12.5	6.6	62.6	690
95-440-3	95	13.3	3.0	0.271	0.102	0.502	0.439	21	12.5	7.1	66.4	785
120-440-3	120	15.3	3.0	0.210	0.0985	0.402	0.492	28	13.75	7.4	72.0	960
150-440-3	150	17.2	3.0	0.166	0.0954	0.332	0.541	32	17	7.8	76.7	1130
185-440-3	185	18.8	3.0	0.137	0.0942	0.288	0.584	42	22	8.2	82.3	1330
240-440-3	240	21.7	3.0	0.106	0.0906	0.242	0.659	48	27	8.8	89.6	1615
300-440-3	300	24.3	3.0	0.0849	0.0890	0.213	0.727	63	35.7	9.4	97.7	1980
Type 440.6												
16-440-6	16	6.2	5.0	1.58	0.143	2.75	0.181	17	3	6.4	58.2	480
25-440-6	25	7.2	5.0	0.951	0.137	1.66	0.193	19	4.5	6.7	61.7	570
35-440-6	35	8.4	5.0	0.698	0.130	1.23	0.212	21	6	7.0	64.8	645
50-440-6	50	9.7	5.0	0.523	0.124	0.931	0.234	22	8	7.3	68.2	730
70-440-6	70	12.0	5.0	0.346	0.116	0.632	0.271	23	12.5	7.7	73.8	880
95-440-6	95	13.3	5.0	0.271	0.113	0.509	0.292	30	12.5	8.1	78.0	1020
120-440-6	120	15.3	5.0	0.210	0.108	0.409	0.325	32	13.75	8.5	83.2	1180
150-440-6	150	17.2	5.0	0.166	0.105	0.340	0.354	46	17	8.9	89.2	1410
185-440-6	185	18.8	5.0	0.136	0.102	0.294	0.381	49	22	9.3	93.6	1590
240-440-6	240	21.7	5.0	0.106	0.0981	0.250	0.426	53	27	9.9	101	1885
300-440-6	300	24.3	5.0	0.0845	0.0959	0.221	0.467	71	35.7	10.4	109	2275
Type 440.11												
25-440-11	25	7.2	7.6	0.951	0.150	1.67	0.150	24	4.5	8.1	75.9	815
35-440-11	35	8.4	7.6	0.698	0.143	1.23	0.163	30	6	8.4	79.6	930
50-440-11	50	9.7	7.6	0.523	0.136	0.936	0.178	32	8	8.7	83.0	1025
70-440-11	70	12.0	7.6	0.346	0.127	0.638	0.204	35	12.5	9.1	88.7	1210
95-440-11	95	13.3	7.6	0.271	0.124	0.516	0.219	48	12.5	9.6	93.8	1385
120-440-11	120	15.3	7.6	0.210	0.119	0.418	0.241	53	13.75	9.9	98.7	1565
150-440-11	150	17.2	7.6	0.165	0.114	0.347	0.261	56	17	10.3	103	1765
185-440-11	185	18.8	7.6	0.136	0.111	0.304	0.279	56	22	10.7	108	1945
Type 440.22												
35-440-22	35	8.4	10.5	0.698	0.160	1.24	0.147	53	6	10.0	102	1430
50-440-22	50	9.7	10.5	0.523	0.153	0.944	0.159	56	8	10.3	106	1550
70-440-22	70	12.0	10.5	0.346	0.143	0.648	0.178	60	12.5	10.7	111	1755
95-440-22	95	13.3	10.5	0.271	0.138	0.527	0.189	62	12.5	11.1	115	1890