Type 440 1.1 to 22KV

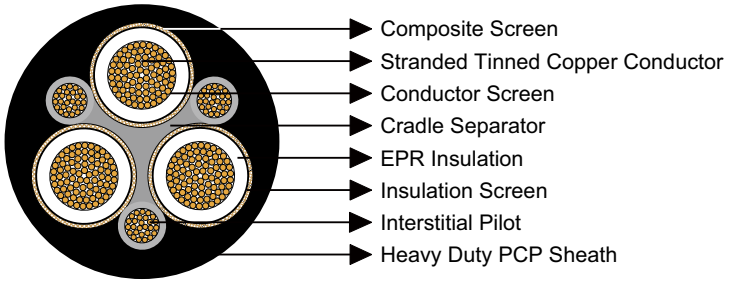
» Applications

These cables are mainly used as flexible feeder trailing cables for power supply to machinery and equipment, include 3 large pilots and a central semiconductive cradle for support and protection of power cores.

» Standards

AS/NZS 2802:2000
AS/NZS 1125
AS/NZS 3808
AS/NZS 5000.1

» Construction



3×Conductors: Flexible stranded tinned annealed copper conductor.

Conductor Screen: Semiconductive compound (for cables having a voltage rating of 3.3/3.3kV and above).

Insulation: EPR.

Insulation Screen: Semiconductive elastomer.

Composite Screen (earth conductor): Tinned annealed copper braiding interwove with polyester yarn.

Cradle Separator: Semiconductive PCP.

3×Interstitial Pilot: EPR covered flexible stranded tinned copper conductor.

Sheath: Heavy duty PCP sheath. Heavy duty CPE/CSP sheath can be offered upon request.

» Dimensions and Weight

Nominal Conductor Area	Strand Size	Insulation Thickness	Core Screen		Pilot Conductor		Thickness of Sheath	Nominal Overall Diameter	Nominal Weight
			Strand Size	Area of Screen	Strand Size	Thickness of Covering			
mm²	No/mm	mm	No/mm	mm²	No/mm	mm	mm	mm	kg/100m
Type 440.1 Class2									
6	84/0.30	1.5	7/0.25	7.2	18/0.30	1.0	3.8	30.0	135
10	77/0.40	1.5	7/0.25	8.6	27/0.30	1.0	3.8	32.6	166
16	126/0.40	1.6	7/0.25	9.6	42/0.30	1.0	4.0	35.8	204
25	209/0.40	1.6	7/0.25	11.3	66/0.30	1.2	4.3	39.7	269
35	285/0.40	1.6	7/0.25	12.4	90/0.30	1.2	4.6	43.1	324
50	380/0.40	1.7	7/0.25	14.1	120/0.30	1.2	5.0	47.7	403
70	203/0.67	1.8	7/0.25	16.5	39/0.67	1.2	5.4	53.9	539
95	259/0.67	2.0	7/0.30	21.8	39/0.67	1.2	6.0	59.3	659
120	336/0.67	2.1	7/0.30	24.7	42/0.67	1.4	6.4	65.1	802
150	427/0.67	2.3	7/0.40	36.1	54/0.67	1.4	6.9	72.1	1018
185	518/0.67	2.5	7/0.40	40.5	63/0.67	1.4	7.4	78.6	1198
240	672/0.67	2.8	7/0.50	57.7	77/0.67	1.6	8.2	88.6	1549
300	854/0.67	3.0	7/0.50	63.2	98/0.67	1.6	8.8	96.3	1870
Type 440.3 Class2									
16	126/0.40	3.0	7/0.25	13.1	42/0.30	1.4	5.3	46.2	304
25	209/0.40	3.0	7/0.25	14.8	66/0.30	1.4	5.6	50.1	379
35	285/0.40	3.0	7/0.25	15.8	90/0.30	1.4	5.9	53.5	446
50	380/0.40	3.0	7/0.25	17.2	120/0.30	1.4	6.3	57.6	524
70	203/0.67	3.0	7/0.25	18.6	39/0.67	1.4	6.6	62.5	659
95	259/0.67	3.0	7/0.25	20.3	39/0.67	1.6	7.1	66.2	754
120	336/0.67	3.0	7/0.30	27.2	42/0.67	1.6	7.4	72.0	914
150	427/0.67	3.0	7/0.40	39.6	54/0.67	1.6	7.8	78.0	1119
185	518/0.67	3.0	7/0.40	42.2	63/0.67	1.6	8.2	83.4	1289
240	672/0.67	3.0	7/0.40	46.6	77/0.67	1.6	8.8	90.3	1559
300	854/0.67	3.0	7/0.50	63.2	98/0.67	1.6	9.4	98.4	1920
Type 440.6 Class2									
16	126/0.40	5.0	7/0.25	17.2	42/0.30	1.4	6.4	57.3	444
25	209/0.40	5.0	7/0.25	18.6	66/0.30	1.6	6.7	61.2	523

AS/NZS 2802:2000 Reeling & Trailing Cables

Nominal Conductor Area	Strand Size	Insulation Thickness	Core Screen		Pilot Conductor		Thickness of Sheath	Nominal Overall Diameter	Nominal Weight
			Strand Size	Area of Screen	Strand Size	Thickness of Covering			
mm^2	No/mm	mm	No/mm	mm^2	No/mm	mm	mm	mm	kg/100m
35	285/0.40	5.0	7/0.25	18.6	90/0.30	1.6	7.0	64.6	599
50	380/0.40	5.0	7/0.25	21.3	120/0.30	1.6	7.3	68.5	689
70	203/0.67	5.0	7/0.25	23.4	39/0.67	1.6	7.7	73.7	834
95	259/0.67	5.0	7/0.30	29.2	39/0.67	1.8	8.1	77.8	964
120	336/0.67	5.0	7/0.30	31.7	42/0.67	1.8	8.5	83.1	1119
150	427/0.67	5.0	7/0.40	45.7	54/0.67	1.8	8.9	89.1	1349
185	518/0.67	5.0	7/0.40	48.4	63/0.67	1.8	9.3	94.5	1529
240	672/0.67	5.0	7/0.40	52.8	77/0.67	1.8	9.9	101.4	1810
300	854/0.67	5.0	7/0.50	71.5	98/0.67	1.8	10.4	109.3	2190
Type 440.11 Class2									
25	209/0.40	7.6	7/0.25	23.7	66/0.30	2.0	8.1	75.6	759
35	285/0.40	7.6	7/0.30	30.2	90/0.30	2.0	8.4	79.7	869
50	380/0.40	7.6	7/0.30	31.7	120/0.30	2.0	8.7	83.6	974
70	203/0.67	7.6	7/0.30	34.1	39/0.67	2.0	9.1	88.8	1139
95	259/0.67	7.6	7/0.40	47.5	39/0.67	2.2	9.6	93.7	1319
120	336/0.67	7.6	7/0.40	51.0	42/0.67	2.2	9.9	98.8	1489
150	427/0.67	7.6	7/0.40	53.7	54/0.67	2.2	10.3	103.5	1679
185	518/0.67	7.6	7/0.40	57.2	63/0.67	2.2	10.7	108.8	1880
Type 440.22 Class2									
35	285/0.40	10.5	7/0.40	53.2	90/0.30	2.5	10.0	105.0	1270
50	380/0.40	10.5	7/0.40	54.1	120/0.30	2.5	10.3	108.9	1392
70	203/0.67	10.5	7/0.40	58.0	39/0.67	2.5	10.7	111.2	1558