



Type 441 (class 1) 3.3 to 22KV

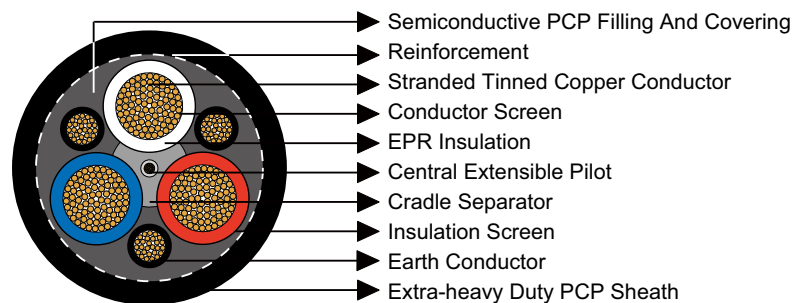
» Applications

Type 441 Class 1 series cable has lower insulation and sheath radials than Class 2 cables, designed for many uses, suitable for trailing and also suitable for reeling applications, have one central pilot and a semiconductive cradle supporting and protecting the power cores, which makes these cables less likely to be damaged from crushing and squashing.

» 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.

Cradle Separator: Semiconductive PCP.

Overall Core Screen: Semiconductive PCP filling and covering.

3×Interstitial Earth Conductor: Semiconductive PCP covered flexible stranded tinned copper conductor.

1×Central Extensible Pilot: EPR covered flexible stranded tinned copper conductor.



Textile Reinforcement: Open-weave braid reinforcement.

Sheath: Extra-heavy duty PCP sheath. Extra-heavy duty CPE/CSP sheath can be offered upon request.

» Dimensions and Weight

Nominal Conductor Area	Strand Size	Insulation Thickness	Earth Conductor		Pilot Conductor		Thickness of Sheath	Nominal Overall Diameter	Nominal Weight
			Strand Size	Thickness of Covering	Strand Size	Thickness of Covering			
mm ²	No/mm	mm	No/mm	mm	No/mm	mm	mm	mm	kg/100m
Type 441.3 Class1									
16	126/0.40	2.2	81/0.30	1.0	24/0.20	0.8	4.6	43.0	241
25	209/0.40	2.2	81/0.30	1.0	24/0.20	0.8	4.9	46.9	304
35	285/0.40	2.2	81/0.30	1.0	24/0.20	0.8	5.2	50.3	359
50	380/0.40	2.4	120/0.30	1.0	40/0.20	0.8	5.7	55.5	446
70	203/0.67	2.4	39/0.67	1.0	40/0.20	0.8	6.0	60.4	571
95	259/0.67	2.4	48/0.67	1.2	40/0.20	0.8	6.4	63.6	659
120	336/0.67	2.4	60/0.67	1.2	40/0.20	0.8	6.5	68.6	794
150	427/0.67	2.4	77/0.67	1.2	40/0.20	0.8	6.6	72.7	931
185	518/0.67	2.4	91/0.67	1.4	40/0.20	0.8	6.7	77.4	1080
240	672/0.67	2.4	119/0.67	1.4	40/0.20	0.8	6.9	83.4	1310
300	854/0.67	2.4	156/0.67	1.4	40/0.20	0.8	7.0	89.2	1570
Type 441.6 Class1									
16	126/0.40	3.0	81/0.30	1.0	24/0.20	0.8	5.0	47.4	276
25	209/0.40	3.0	81/0.30	1.0	24/0.20	0.8	5.3	51.2	350
35	285/0.40	3.0	81/0.30	1.0	24/0.20	0.8	5.6	54.6	405
50	380/0.40	3.0	120/0.30	1.2	40/0.20	0.8	6.0	58.7	485
70	203/0.67	3.0	39/0.67	1.2	40/0.20	0.8	6.3	63.7	634
95	259/0.67	3.0	48/0.67	1.2	40/0.20	0.8	6.4	66.5	700
120	336/0.67	3.0	60/0.67	1.2	40/0.20	0.8	6.6	71.4	835
150	427/0.67	3.0	77/0.67	1.2	40/0.20	0.8	6.7	75.5	975
185	518/0.67	3.0	91/0.67	1.4	40/0.20	0.8	6.8	80.3	1130
240	672/0.67	3.0	119/0.67	1.4	40/0.20	0.8	7.0	86.2	1360
300	854/0.67	3.0	156/0.67	1.4	40/0.20	0.8	7.1	92.0	1650
Type 441.11 Class1									
25	209/0.40	5.0	81/0.30	1.2	24/0.20	0.8	6.3	62.2	481



AS/NZS 2802:2000 Reeling & Trailing Cables

Nominal Conductor Area	Strand Size	Insulation Thickness	Earth Conductor		Pilot Conductor		Thickness of Sheath	Nominal Overall Diameter	Nominal Weight
			Strand Size	Thickness of Covering	Strand Size	Thickness of Covering			
mm ²	No/mm	mm	No/mm	mm	No/mm	mm	mm	mm	kg/100m
35	285/0.40	5.0	81/0.30	1.4	24/0.20	0.8	6.4	65.2	542
50	380/0.40	5.0	120/0.30	1.4	40/0.20	0.8	6.5	68.6	620
70	203/0.67	5.0	39/0.67	1.4	40/0.20	0.8	6.6	73.1	750
95	259/0.67	5.0	48/0.67	1.4	40/0.20	0.8	6.8	76.2	850
120	336/0.67	5.0	60/0.67	1.4	40/0.20	0.8	6.9	80.9	986
150	427/0.67	5.0	77/0.67	1.4	40/0.20	0.8	7.0	85.0	1129
185	518/0.67	5.0	91/0.67	1.4	40/0.20	0.8	7.1	89.6	1289
240	672/0.67	5.0	119/0.67	1.4	40/0.20	0.8	7.3	95.7	1539
Type 441.22 Class1									
35	285/0.40	7.6	81/0.30	1.8	24/0.20	0.8	6.9	77.9	733
50	380/0.40	7.6	120/0.30	1.8	40/0.20	0.8	7.0	81.4	820
70	203/0.67	7.6	39/0.67	1.8	40/0.20	0.8	7.1	85.8	960
95	259/0.67	7.6	48/0.67	1.8	40/0.20	0.8	7.2	88.6	1070
120	336/0.67	7.6	60/0.67	1.8	40/0.20	0.8	7.3	93.4	1220
150	427/0.67	7.6	77/0.67	1.8	40/0.20	0.8	7.4	97.5	1380
185	518/0.67	7.6	91/0.67	1.8	40/0.20	0.8	7.6	102.4	1545