



Type 455 3.3 to 33KV

» Applications

These cables are designed with reduced insulation and sheath thickness, no cradle, 2 earth and 1 pilot core (each earth and pilot are the same size) in the outer interstices. These cables are suitable for reeling and trailing applications where minimal diameter and mass is desired, particularly suited to stacker-reclaimer applications.

» Standards

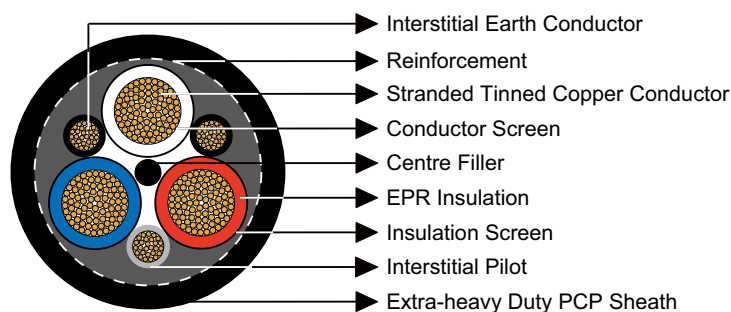
AS/NZS 2802:2000

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.

Filler: Elastomer centre filler.

2×Interstitial Earth Conductor: CSP covered flexible stranded tinned copper conductor.

1×Interstitial 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	Pilot/Earth Conductor		Thickness of Sheath	Nominal Overall Diameter	Nominal Weight
			Strand Size	Thickness of Covering			
mm ²	No/mm	mm	No/mm	mm	mm	mm	kg/100m
Type 455.3 Class1							
16	126/0.40	2.2	120/0.30	1.4	4.2	39.4	224
25	209/0.40	2.2	120/0.30	1.4	4.5	43.3	281
35	285/0.40	2.2	120/0.30	1.4	4.8	46.7	336
50	380/0.40	2.4	183/0.30	1.4	5.3	51.9	424
70	203/0.67	2.4	54/0.67	1.4	5.7	57.0	556
95	259/0.67	2.4	70/0.67	1.6	6.1	60.5	646
120	336/0.67	2.4	84/0.67	1.6	6.4	65.6	786
150	427/0.67	2.4	112/0.67	1.6	6.5	69.7	931
185	518/0.67	2.4	132/0.67	1.6	6.6	74.5	1072
240	672/0.67	2.4	168/0.67	1.6	6.8	80.5	1310
300	854/0.67	2.4	228/0.67	1.6	6.9	86.3	1600
Type 455.6 Class1							
16	126/0.40	3.0	120/0.30	1.4	4.7	43.9	266
25	209/0.40	3.0	120/0.30	1.6	5.0	47.8	332
35	285/0.40	3.0	120/0.30	1.6	5.3	51.3	387
50	380/0.40	3.0	183/0.30	1.6	5.6	55.1	466
70	203/0.67	3.0	54/0.67	1.6	6.0	60.3	597
95	259/0.67	3.0	70/0.67	1.8	6.3	63.5	692
120	336/0.67	3.0	84/0.67	1.8	6.5	68.5	826
150	427/0.67	3.0	112/0.67	1.8	6.6	72.6	977
185	518/0.67	3.0	132/0.67	1.8	6.7	77.3	1122
240	672/0.67	3.0	168/0.67	1.8	6.9	83.3	1361
300	854/0.67	3.0	228/0.67	1.8	7.0	89.1	1652
Type 455.11 Class1							
16	126/0.40	5.0	120/0.30	2.0	5.8	55.1	392
25	209/0.40	5.0	120/0.30	2.0	6.1	59.0	462
35	285/0.40	5.0	120/0.30	2.0	6.3	62.2	527
50	380/0.40	5.0	183/0.30	2.0	6.4	65.6	607
70	203/0.67	5.0	54/0.67	2.0	6.5	70.2	742
95	259/0.67	5.0	70/0.67	2.2	6.7	73.2	837
120	336/0.67	5.0	84/0.67	2.2	6.8	77.9	982
150	427/0.67	5.0	112/0.67	2.2	6.9	82.0	1143
185	518/0.67	5.0	132/0.67	2.2	7.0	86.8	1305
240	672/0.67	5.0	168/0.67	2.2	7.2	92.8	1553
Type 455.22 Class1							
16	126/0.40	7.6	120/0.30	2.5	6.6	68.5	578
25	209/0.40	7.6	120/0.30	2.5	6.6	71.7	653
35	285/0.40	7.6	120/0.30	2.5	6.7	74.7	719



AS/NZS 2802:2000 Reeling & Trailing Cables

Nominal Conductor Area	Strand Size	Insulation Thickness	Pilot/Earth Conductor		Thickness of Sheath	Nominal Overall Diameter	Nominal Weight
			Strand Size	Thickness of Covering			
mm ²	No/mm	mm	No/mm	mm	mm	mm	kg/100m
50	380/0.40	7.6	183/0.30	2.5	6.8	78.2	810
70	203/0.67	7.6	54/0.67	2.5	7.0	82.9	956
95	259/0.67	7.6	70/0.67	2.5	7.1	85.7	1061
120	336/0.67	7.6	84/0.67	2.5	7.2	90.5	1221
150	427/0.67	7.6	112/0.67	2.5	7.3	94.6	1392
185	518/0.67	7.6	132/0.67	2.5	7.4	99.3	1564
Type 455.33 Class1							
16	126/0.40	10.5	120/0.30	2.5	7.0	83.0	822
25	209/0.40	10.5	120/0.30	2.5	7.1	86.4	920
35	285/0.40	10.5	120/0.30	2.5	7.2	89.4	993
50	380/0.40	10.5	183/0.30	2.5	7.3	92.8	1092
70	203/0.67	10.5	54/0.67	2.5	7.4	97.4	1254
95	259/0.67	10.5	70/0.67	2.5	7.6	100.4	1372
120	336/0.67	10.5	84/0.67	2.5	7.7	105.1	1543
150	427/0.67	10.5	112/0.67	2.5	7.8	109.2	1720