



Type 245 1.1 to 6.6KV

» Applications

These very flexible cables are mainly used as longwall shearer cables, and also for continuous miners and peripheral longwall cables. Cable has 3 central pilots for earth continuity monitoring and for control circuits.

» Standards

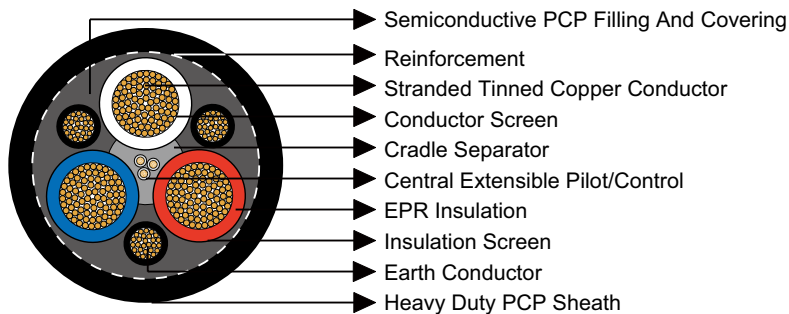
AS/NZS 1802:2003

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.

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

Textile Reinforcement: Open-weave braid reinforcement.

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



AS/NZS 1802:2003 Reeling & Trailing Cables

» Dimensions and Weight

Nominal Conductor Area	Strand Size	Insulation Thickness	Earth Conductor		Pilot Conductor		Thickness of Sheath Including SC PCP Layer	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 245.1									
16	133/0.40	2.0	69/0.25	1.8	28/0.25	0.8	4.1	42.6	235
25	259/0.36	1.6	91/0.25	1.8	28/0.25	0.8	4.2	43.4	269
35	287/0.40	1.6	140/0.25	1.4	28/0.25	0.8	4.4	45.6	315
50	703/0.30	1.7	120/0.30	1.0	28/0.25	0.8	4.8	48.4	390
70	988/0.30	1.8	180/0.30	1.0	28/0.25	0.8	5.1	53.9	501
95	1332/0.30	2.0	150/0.30	1.0	28/0.25	0.8	5.6	60.4	630
120	1702/0.30	2.1	195/0.30	1.2	28/0.25	0.8	6.0	65.5	765
150	2146/0.30	2.3	235/0.30	1.2	28/0.25	0.8	6.3	70.5	915
Type 245.3									
25	259/0.36	3.0	91/0.25	1.5	28/0.25	0.8	5.2	51.1	338
35	287/0.40	3.0	140/0.25	1.0	28/0.25	0.8	5.4	54.5	398
50	703/0.30	3.0	120/0.30	1.0	28/0.25	0.8	5.7	56.8	490
70	988/0.30	3.0	180/0.30	1.2	28/0.25	0.8	6.0	61.2	592
95	1332/0.30	3.0	235/0.30	1.2	28/0.25	0.8	6.4	66.6	739
120	1702/0.30	3.0	300/0.30	1.2	28/0.25	0.8	6.7	71.0	870
150	2146/0.30	3.0	375/0.30	1.2	28/0.25	0.8	7.0	75.2	1028
Type 245.6									
50	703/0.30	5.0	120/0.30	1.4	28/0.25	0.8	6.7	67.2	635
70	988/0.30	5.0	180/0.30	1.4	28/0.25	0.8	7.0	71.7	755
95	1332/0.30	5.0	235/0.30	1.4	28/0.25	0.8	7.4	77.1	905
120	1702/0.30	5.0	300/0.30	1.4	28/0.25	0.8	7.7	81.3	1050
150	2146/0.30	5.0	375/0.30	1.4	28/0.25	0.8	8.0	85.8	1210