Type 241 1.1 to 11KV

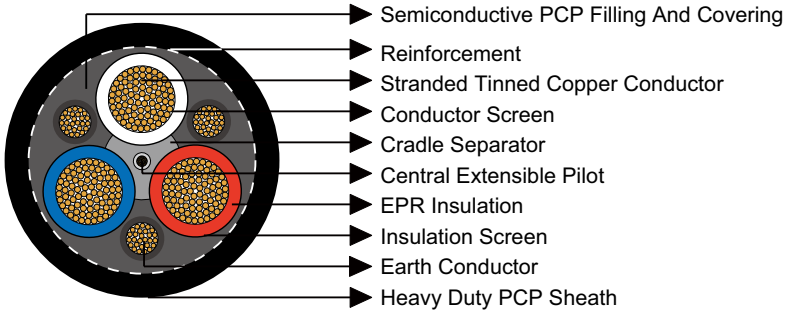
» Applications

These cables are designed for various uses, including main feeder cable for continuous miners, pump cable, and power supply cable. Overall semiconductive screen provides protective earth contact for any object breaching the sheath prior to contact with power conductors.

» 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.

1×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.

» 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			
mm²	No/mm	mm	No/mm	mm	No/mm	mm	mm	mm	kg/100m
Type 241.1									
6	84/0.30	1.5	18/0.30	1.0	24/0.20	0.8	3.8	28.5	106
10	77/0.40	1.5	27/0.30	1.0	24/0.20	0.8	3.8	31.1	127
16	126/0.40	1.6	42/0.30	1.0	24/0.20	0.8	3.9	34.1	164
25	209/0.40	1.6	66/0.30	1.0	24/0.20	0.8	4.2	37.9	208
35	285/0.40	1.6	90/0.30	1.0	24/0.20	0.8	4.4	41.2	254
50	380/0.40	1.7	120/0.30	1.0	40/0.20	0.8	4.9	45.9	328
70	203/0.67	1.8	39/0.67	1.0	40/0.20	0.8	5.3	52.2	480
95	259/0.67	2.0	39/0.67	1.0	40/0.20	0.8	5.8	56.7	600
120	336/0.67	2.1	42/0.67	1.2	40/0.20	0.8	6.3	62.7	710
150	427/0.67	2.3	54/0.67	1.2	40/0.20	0.8	6.7	68.3	865
185	518/0.67	2.5	63/0.67	1.4	40/0.20	0.8	7.3	74.9	1030
240	672/0.67	2.8	77/0.67	1.4	40/0.20	0.8	8.0	83.3	1300
300	854/0.67	3.0	98/0.67	1.4	40/0.20	0.8	8.7	91.2	1600
Type 241.3									
16	126/0.40	3.0	42/0.30	1.0	24/0.20	0.8	5.0	43.8	249
25	209/0.40	3.0	66/0.30	1.0	24/0.20	0.8	5.3	47.7	315
35	285/0.40	3.0	90/0.30	1.0	24/0.20	0.8	5.6	51.1	376
50	380/0.40	3.0	120/0.30	1.2	40/0.20	0.8	6.0	55.2	450
70	203/0.67	3.0	39/0.67	1.2	40/0.20	0.8	6.4	60.3	576
95	259/0.67	3.0	48/0.67	1.2	40/0.20	0.8	6.8	63.8	675
120	336/0.67	3.0	60/0.67	1.2	40/0.20	0.8	7.2	69.1	810
150	427/0.67	3.0	77/0.67	1.2	40/0.20	0.8	7.6	73.8	952
185	518/0.67	3.0	91/0.67	1.4	40/0.20	0.8	8.0	79.2	1130
240	672/0.67	3.0	112/0.67	1.4	40/0.20	0.8	8.6	86.0	1380
300	854/0.67	3.0	144/0.67	1.4	40/0.20	0.8	9.1	92.6	1660

AS/NZS 1802:2003 Reeling & Trailing Cables

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			
mm²	No/mm	mm	No/mm	mm	No/mm	mm	mm	mm	kg/100m
Type 241.6									
16	126/0.40	5.0	42/0.30	1.4	24/0.20	0.8	6.1	54.9	365
25	209/0.40	5.0	66/0.30	1.4	24/0.20	0.8	6.4	58.8	440
35	285/0.40	5.0	90/0.30	1.4	24/0.20	0.8	6.7	62.2	509
50	380/0.40	5.0	120/0.30	1.4	40/0.20	0.8	7.1	66.2	592
70	203/0.67	5.0	39/0.67	1.4	40/0.20	0.8	7.4	71.2	727
95	259/0.67	5.0	48/0.67	1.4	40/0.20	0.8	7.9	74.8	835
120	336/0.67	5.0	60/0.67	1.4	40/0.20	0.8	8.3	80.2	990
150	427/0.67	5.0	77/0.67	1.4	40/0.20	0.8	8.6	84.6	1140
185	518/0.67	5.0	91/0.67	1.4	40/0.20	0.8	9.0	90.0	1311
240	672/0.67	5.0	119/0.67	1.4	40/0.20	0.8	9.6	96.8	1576
300	854/0.67	5.0	156/0.67	1.4	40/0.20	0.8	10.2	103.6	1900
Type 241.11									
25	209/0.40	7.6	66/0.30	1.8	24/0.20	0.8	7.8	73.2	645
35	285/0.40	7.6	90/0.30	1.8	24/0.20	0.8	8.1	76.6	724
50	380/0.40	7.6	120/0.30	1.8	40/0.20	0.8	8.5	80.6	825
70	203/0.67	7.6	39/0.67	1.8	40/0.20	0.8	8.9	85.7	975
95	259/0.67	7.6	48/0.67	1.8	40/0.20	0.8	9.3	89.1	1088
120	336/0.67	7.6	60/0.67	1.8	40/0.20	0.8	9.7	94.4	1258
150	427/0.67	7.6	77/0.67	1.8	40/0.20	0.8	10.0	98.9	1423
185	518/0.67	7.6	91/0.67	1.8	40/0.20	0.8	10.4	104.2	1610