



Type 209 1.1 to 11KV

» Applications

Type 209 series cable is mainly used as a flexible feeder to machinery, more suitable as a trailing cable rather than for reeling. Smaller cables are used for drills and hand held tools and equipment.

» Standards

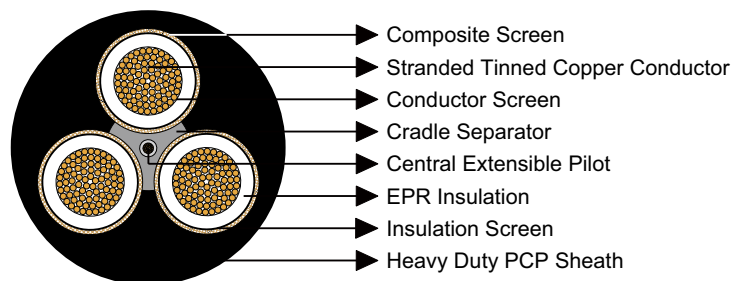
AS/NZS 1802:2003

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.

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

Cradle Separator: Semiconductive PCP.

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

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	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
Type 209.1									
6	84/0.30	1.5	7/0.25	7.2	24/0.20	0.8	3.8	30.0	129
10	77/0.40	1.5	7/0.25	8.6	24/0.20	0.8	3.8	32.6	157
16	126/0.40	1.6	7/0.25	9.6	24/0.20	0.8	4.0	35.8	197
25	209/0.40	1.6	7/0.25	11.3	24/0.20	0.8	4.3	39.7	255
35	285/0.40	1.6	7/0.25	12.4	24/0.20	0.8	4.6	43.1	312
50	380/0.40	1.7	7/0.25	14.1	40/0.20	0.8	5.0	47.7	386
70	203/0.67	1.8	7/0.25	16.5	40/0.20	0.8	5.4	52.8	503
95	259/0.67	2.0	7/0.25	18.2	40/0.20	0.8	6.0	58.6	605
120	336/0.67	2.1	7/0.25	20.3	40/0.20	0.8	6.4	64.4	741
150	427/0.67	2.3	7/0.25	22.3	40/0.20	0.8	6.9	70.2	896
185	518/0.67	2.5	7/0.30	30.2	40/0.20	0.8	7.4	77.4	1092
240	672/0.67	2.8	7/0.30	33.6	40/0.20	0.8	8.2	86.0	1365
300	854/0.67	3.0	7/0.40	50.1	40/0.20	0.8	8.8	95.1	1715
Type 209.3									
16	126/0.40	3.0	7/0.25	13.1	24/0.20	0.8	5.3	46.2	301
25	209/0.40	3.0	7/0.25	14.8	24/0.20	0.8	5.6	50.1	369
35	285/0.40	3.0	7/0.25	15.8	24/0.20	0.8	5.9	53.5	431
50	380/0.40	3.0	7/0.25	17.2	40/0.20	0.8	6.3	57.6	507
70	203/0.67	3.0	7/0.25	18.6	40/0.20	0.8	6.6	62.5	624
95	259/0.67	3.0	7/0.25	20.3	40/0.20	0.8	7.1	66.2	719
120	336/0.67	3.0	7/0.30	27.2	40/0.20	0.8	7.4	72.0	876
150	427/0.67	3.0	7/0.40	39.6	40/0.20	0.8	7.8	78.0	1072
185	518/0.67	3.0	7/0.40	42.2	40/0.20	0.8	8.2	83.4	1236
240	672/0.67	3.0	7/0.40	46.6	40/0.20	0.8	8.8	90.3	1500
300	854/0.67	3.0	7/0.50	63.2	40/0.20	0.8	9.4	98.4	1840
Type 209.6									
16	126/0.40	5.0	7/0.25	17.2	24/0.20	0.8	6.4	57.3	435
25	209/0.40	5.0	7/0.25	18.6	24/0.20	0.8	6.7	61.2	512



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	24/0.20	0.8	7.0	64.6	582
50	380/0.40	5.0	7/0.25	21.3	40/0.20	0.8	7.3	68.5	668
70	203/0.67	5.0	7/0.25	23.4	40/0.20	0.8	7.7	73.7	799
95	259/0.67	5.0	7/0.30	29.2	40/0.20	0.8	8.1	77.8	935
120	336/0.67	5.0	7/0.30	31.7	40/0.20	0.8	8.5	83.1	1090
150	427/0.67	5.0	7/0.40	45.7	40/0.20	0.8	8.9	89.1	1310
185	518/0.67	5.0	7/0.40	48.4	40/0.20	0.8	9.3	94.5	1480
240	672/0.67	5.0	7/0.40	52.8	40/0.20	0.8	9.9	101.4	1750
300	854/0.67	5.0	7/0.50	71.5	40/0.20	0.8	10.4	109.3	2120
Type 209.11									
25	209/0.40	7.6	7/0.25	23.7	24/0.20	0.8	8.1	75.6	750
35	285/0.40	7.6	7/0.30	30.2	24/0.20	0.8	8.4	79.7	858
50	380/0.40	7.6	7/0.30	31.7	40/0.20	0.8	8.7	83.6	960
70	203/0.67	7.6	7/0.30	34.1	40/0.20	0.8	9.1	88.8	1093
95	259/0.67	7.6	7/0.40	47.5	40/0.20	0.8	9.6	93.7	1267
120	336/0.67	7.6	7/0.40	51.0	40/0.20	0.8	9.9	98.8	1436
150	427/0.67	7.6	7/0.40	53.7	40/0.20	0.8	10.3	103.5	1614
185	518/0.67	7.6	7/0.40	57.2	40/0.20	0.8	10.7	108.8	1830