



Type 409 1.1 to 22KV

» Applications

Type 409 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, while larger ones are used for power supply to draglines, shovels and drills.

» Standards

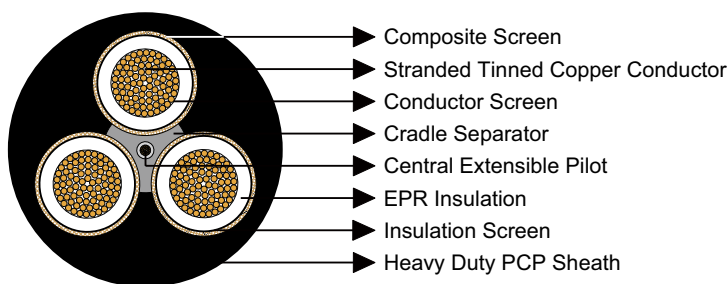
AS/NZS 2802:2000

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.

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.



» 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 409.1 Class2									
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	53.9	503
95	259/0.67	2.0	7/0.30	21.8	40/0.20	0.8	6.0	59.3	622
120	336/0.67	2.1	7/0.30	24.7	40/0.20	0.8	6.4	65.1	760
150	427/0.67	2.3	7/0.40	36.1	40/0.20	0.8	6.9	72.1	960
185	518/0.67	2.5	7/0.40	40.5	40/0.20	0.8	7.4	78.6	1160
240	672/0.67	2.8	7/0.50	57.7	40/0.20	0.8	8.2	88.6	1490
300	854/0.67	3.0	7/0.50	63.2	40/0.20	0.8	8.8	96.3	1800
Type 409.3 Class2									
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	371
35	285/0.40	3.0	7/0.25	15.8	24/0.20	0.8	5.9	53.5	430
50	380/0.40	3.0	7/0.25	17.2	40/0.20	0.8	6.3	57.6	511
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	724
120	336/0.67	3.0	7/0.30	27.2	40/0.20	0.8	7.4	72.0	880
150	427/0.67	3.0	7/0.40	39.6	40/0.20	0.8	7.8	78.0	1079
185	518/0.67	3.0	7/0.40	42.2	40/0.20	0.8	8.2	83.4	1251
240	672/0.67	3.0	7/0.40	46.6	40/0.20	0.8	8.8	90.3	1502
300	854/0.67	3.0	7/0.50	63.2	40/0.20	0.8	9.4	98.4	1840
Type 409.6 Class2									
16	126/0.40	5.0	7/0.25	17.2	24/0.20	0.8	6.4	57.3	440
25	209/0.40	5.0	7/0.25	18.6	24/0.20	0.8	6.7	61.2	516



AS/NZS 2802:2000 Reeling & Trailing Cables

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	584
50	380/0.40	5.0	7/0.25	21.3	40/0.20	0.8	7.3	68.5	669
70	203/0.67	5.0	7/0.25	23.4	40/0.20	0.8	7.7	73.7	804
95	259/0.67	5.0	7/0.30	29.2	40/0.20	0.8	8.1	77.8	934
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	1479
240	672/0.67	5.0	7/0.40	52.8	40/0.20	0.8	9.9	101.4	1749
300	854/0.67	5.0	7/0.50	71.5	40/0.20	0.8	10.4	109.3	2120
Type 409.11 Class2									
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	859
50	380/0.40	7.6	7/0.30	31.7	40/0.20	0.8	8.7	83.6	954
70	203/0.67	7.6	7/0.30	34.1	40/0.20	0.8	9.1	88.8	1105
95	259/0.67	7.6	7/0.40	47.5	40/0.20	0.8	9.6	93.7	1290
120	336/0.67	7.6	7/0.40	51.0	40/0.20	0.8	9.9	98.8	1460
150	427/0.67	7.6	7/0.40	53.7	40/0.20	0.8	10.3	103.5	1636
185	518/0.67	7.6	7/0.40	57.2	40/0.20	0.8	10.7	108.8	1830
Type 409.22 Class2									
35	285/0.40	10.5	7/0.40	55.4	24/0.20	0.8	10.0	105.0	1405
50	380/0.40	10.5	7/0.40	58.1	40/0.20	0.8	10.3	108.9	1525
70	203/0.67	10.5	7/0.40	60.7	40/0.20	0.8	10.7	114.0	1710