

PVC Cables



PVC SDI 450/750V

Cable description:

Single Core Cable, Copper Conductor, V-90 PVC Insulated and 3V-90 PVC Sheathed, to AS/NZS 5000.2.

Catalogue Reference	Nominal Conductor Area mm ²	Approx. Overall Diameter mm	Approx. Mass kg/100m	Mln. Installed Bending Radius mm
*1.0SSDI	1.0	4.1	2.9	15
1.5SDI	1.5	4.5	3.5	20
2.5SDI	2.5	5.2	5.1	20
4SDI	4.0	6.2	7.4	25
6SDI	6.0	6.8	9.8	25
10SDI	10	8.2	15	35
16SDI	16	9.4	22	40

*Single Wire Conductor.

For conductors 25mm² and above please refer to XLPE/PVC product pages.

PVC FLAT 450/750V

Cable description:

2 & 3 Core Flat TPS Cable, Copper Conductor V-90, PVC Insulated and 3V-90 PVC Sheathed, to AS/NZS 5000.2.

Catalogue Reference		Nominal Conductor Area mm ²	Approx. Overall Dimensions mm		Approx. Mass kg/100m		Mln. Installed Bending Radius mm	
2C	3C		2C	3C	2C	3C	2C	3C
*1.05T	*1.053CF	1.0	6.6 x 4.3	9.0 x 4.3	5.2	7.3	15	20
1.5T	1.53CF	1.5	7.3 x 4.6	10.1 x 4.6	6.4	9.0	20	20
2.5T	2.53CF	2.5	8.9 x 5.5	12.4 x 5.5	9.9	15	20	20
4T		4.0	10.7 x 6.5		15		25	
6T		6.0	11.9 x 7.1		20		30	
10T		10	15.0 x 8.8		31		35	
16T		16	17.3 x 10.0		45		40	

*Single Wire Conductors.

2C = 2 Core. 3C = 3 Core.

◊ The cables listed above are available in Green Star approved PVC or made to order Non PVC Low Smoke Zero Halogen.



PVC FLAT 450/750V

Cable description:

2 & 3 Core plus Earth Flat TPS Cable, Copper Conductor, V-90 PVC Insulated and 3V-90 PVC Sheathed, to AS/NZS 5000.2.

Catalogue Reference		Nominal Conductor Area mm ²	Approx. Overall Dimensions mm		Approx. Mass kg/100m		Min. Installed Bending Radius mm	
2C+E	3C+E		2C+E	3C+E	2C+E	3C+E	2C+E	3C+E
*1.0STE	*1.0S3CEF	1.0	9.3 x 4.6	11.7 x 4.6	8	10	20	20
1.5TE	1.53CEF	1.5	10.1 x 4.6	12.8 x 4.6	9	12	20	20
2.5TE	2.53CEF	2.5	12.4 x 5.5	15.8 x 5.5	15	19	20	20
4TE	43CEF	4.0	14.1 x 6.5	18.3 x 6.5	19	26	25	25
6TE	63CEF	6.0	15.3 x 7.1	20.1 x 7.1	24	33	30	30
10TE	103CEF	10	19.2 x 8.8	25.8 x 8.8	38	52	35	35
16TE	163CEF	16	22.5 x 10.0	29.7 x 10.0	54	75	40	40

*Single Wire Conductor.

2C+E = 2 Core + Earth. 3C+E = 3 Core + Earth.

PVC MULTICORE CIRCULAR 450/750V

Cable description:

2, 3 & 4 Core plus Earth Circular Cable, Copper Conductor, V-90 PVC Insulated and 5V-90 PVC Sheathed, to AS/NZS 5000.2.

Catalogue Reference			Nominal Conductor Area mm ²	Approx. Overall Diameter mm			Approx. Mass kg/100m			Min. Installed Bending Radius mm		
2C+E	3C+E	4C+E		2C+E	3C+E	4C+E	2C+E	3C+E	4C+E	2C+E	3C+E	4C+E
1.52CEOC	1.53CEOC	1.54CEOC	1.5	8.3	9.0	10.0	11	13	16	35	40	40
2.52CEOC	2.53CEOC	2.54CEOC	2.5	10.0	10.9	11.9	17	20	24	40	45	50
42CEOC	43CEOC	44CEOC	4.0	11.2	12.3	13.7	22	27	34	45	50	55
62CEOC	63CEOC	64CEOC	6.0	12.2	13.6	15.1	27	35	44	50	55	60
102CEOC	103CEOC	104CEOC	10	15.7	17.5	19.4	40	53	65	65	70	80
162CEOC	163CEOC	164CEOC	16	18.0	19.8	22.2	57	75	94	75	80	90

2C+E = 2 Core + Earth. 3C+E = 3 Core + Earth. 4C+E = 4 Core + Earth.

For conductors less than 10mm² please refer to Cables to AS/NZS 5000.2.

◇ The cables listed above are available in Green Star approved PVC or made to order Non PVC Low Smoke Zero Halogen.



PVC INSULATED 0.6/1KV

Cable description:

Single Core Cable, Copper Conductor, V-90 PVC Insulated, Unsheathed, to AS/NZS 5000.1.

Catalogue Reference	Nominal Conductor Area mm ²	Approx. Overall Diameter mm	Approx. Mass kg/100m	Min. Installed Bending Radius mm
*1.0SBW	1.0	2.8	1.7	10
1.5BW	1.5	3.2	2.2	15
2.5BW	2.5	3.7	3.3	15
4BW	4.0	4.6	5.3	20
6BW	6.0	5.2	7.4	20
10BW	10	6.2	12	25
16BW	16	7.3	18	30
25BW	25	8.9	28	35
35BW	35	10.1	37	40
50BW	50	11.9	50	50
70BW	70	13.5	69	55
95BW	95	15.9	96	65
120BW	120	17.3	119	70
150BW	150	19.5	146	80
185BW	185	21.7	184	85

*Single Wire Conductor.

PVC MULTICORE CIRCULAR 0.6/1KV

Cable description:

2 & 3 Core plus Earth Circular Cable, Copper Conductor, V-90 PVC Insulated and 5V-90 PVC Sheathed, to AS/NZS 5000.1.

Catalogue Reference		Nominal Conductor Area mm ²	Approx. Overall Diameter mm		Approx. Mass kg/100m		Min. Installed Bending Radius mm	
2C+E	3C+E		2C+E	3C+E	2C+E	3C+E	2C+E	3C+E
1.52CEOC1KV	1.53CEOC1KV	1.5	10.1	11.0	15	18	40	45
2.52CEOC1KV	2.53CEOC1KV	2.5	11.3	12.3	20	24	45	50
42CEOC1KV	43CEOC1KV	4.0	12.9	14.0	26	32	50	55
62CEOC1KV	63CEOC1KV	6.0	14.0	15.2	33	41	55	60
102CEOC1KV	103CEOC1KV	10	16.5	18.1	43	56	65	70
162CEOC1KV	163CEOC1KV	16	18.6	20.4	59	78	75	80

2C+E = 2 Core + Earth. 3C+E = 3 Core + Earth.

For conductors less than 10mm² please refer to Cables to AS/NZS 5000.2.

◊ The cables listed above are available in Green Star approved PVC or made to order Non PVC Low Smoke Zero Halogen.



PVC MULTICORE CIRCULAR 0.6/1KV

Cable description:

4 Core plus Earth Circular Cable, Copper Conductor, V-90 PVC Insulated and SV-90 PVC Sheathed, to AS/NZS 5000.1.

Catalogue Reference	Nominal Conductor Area mm ²	Approx. Overall Diameter mm	Approx. Mass kg/100m	Min. Installed Bending Radius mm
154CEOC1KV	1.5	11.9	21	50
254CEOC1KV	2.5	13.3	29	55
44CEOC1KV	4.0	15.4	39	60
64CEOC1KV	6.0	16.8	50	70
104CEOC1KV	10	20.0	69	80
164CEOC1KV	16	22.6	92	90

PVC MULTICORE SWA CIRCULAR 0.6/1KV

Cable description:

2 & 3 Core plus Earth Circular Cable, Copper Conductor, V-90 PVC Insulated and PVC Bedded, Steel Wire Armoured, SV-90 PVC Sheathed, to AS/NZS 5000.1.

Catalogue Reference		Nominal Conductor Area mm ²	Max. Diameter Under Armour mm		Approx. Overall Diameter mm		Approx. Mass kg/100m		Min. Installed Bending Radius mm	
2C+E	3C+E		2C+E	3C+E	2C+E	3C+E	2C+E	3C+E	2C+E	3C+E
152CEOCA1KV	153CEOCA1KV	1.5	9.1	10.0	15.2	16.1	47	52	185	195
252CEOCA1KV	253CEOCA1KV	2.5	10.3	11.3	16.9	17.4	56	63	195	210
42CEOCA1KV	43CEOCA1KV	4.0	11.8	13.0	17.9	19.2	67	77	215	230
62CEOCA1KV	63CEOCA1KV	6.0	13.0	14.2	19.1	20.3	77	88	230	245
102CEOCA1KV	103CEOCA1KV	10	15.5	17.1	21.6	23.2	94	111	260	280
162CEOCA1KV	163CEOCA1KV	16	17.6	19.4	23.7	26.2	117	156	285	315

2C+E = 2 Core + Earth. 3C+E = 3 Core + Earth.



PVC MULTICORE SWA CIRCULAR 0.6/1KV

Cable description:

4 Core plus Insulated Earth Circular Cable, Copper Conductor, V-90 PVC Insulated and PVC Bedded, Steel Wire Armoured, 5V-90 PVC Sheathed, to AS/NZS 5000.1.

Catalogue Reference	Nominal Conductor Area mm ²	Approx. Diameter Over Bedding mm	Approx. Overall Diameter mm	Approx. Mass kg/100m	Min. Installed Bending Radius mm
1.54CEOCA1KV	1.5	10.9	17.0	59	205
2.54CEOCA1KV	2.5	12.3	18.5	71	225
4.4CEOCA1KV	4.0	14.4	20.5	87	245
6.4CEOCA1KV	6.0	15.8	21.9	102	265
10.4CEOCA1KV	10	19.0	25.8	145	310
16.4CEOCA1KV	16	21.6	28.4	184	340

◇ The cables listed above are available in Green Star approved PVC or made to order Non PVC Low Smoke Zero Halogen.

4MM² TWIN SOLAR CABLE

Cable description:

The cable complies with the requirements of 2 Pfg 1169/08.2007, Fire Performance: IEC60332-1, Smoke Density: IEC61034, EN50268-2, Halogen Acid Gas Emission: IEC60754-1, EN50267-2-1, Certificate: TUV, Sizes available: Prysmian Product Codes: 4mm² single - 5749083, 4mm² twin - 5749045, 6mm² single - 5749090, 6mm² twin - 5749069, Other sizes made to order, Colours available on request in either SDI or twin: red or blue.

Item		Specification
Conductor	Cross-section area (mm ²)	4mm ²
	Material	Stranded tinned copper
	Size (mm)	56/(0.30±0.008)
	Strand OD (mm)	2.59±0.01
Insulation	Material	Electron-beam cross-linked materials
	Nominal OD (mm)	4.45±0.15
	Colour	One red, one black
Sheath	Material	Electron-beam cross-linked materials
	Nominal OD (mm)	5.8±0.10 x 12.00±0.20
	Colour	Black
Marking on cable	"PRYSMIAN SOLAR CABLE (PV) PV1-F 4mm ² 0.6/1KVAC -- 0.9/1.8KVDC -- FOR DC USE ONLY DO NOT DISCONNECT UNDER LOAD -- 120°C SOLAR DV TUV Cert No R (Metre Marking)" Spread over the length of a metre in between metre markings	

Nominal Voltage	Test Voltage	Temperature Rating	Ambient Temperature
U ⁰ /U=600/1000V AC, 1800V DC	6500V, 50Hz, 5min	-40°C up to +125°C	(-40°C up to +120°C): >25 years

Max. Conductor Temperature	Bending Radius	Conductor Resistance	Insulation Resistance	UV Resistant
+120°C	≥ 6 x cable OD	≤ 5.09 Ω / km at 20°C	≥ 1014 Ω .cm at 20°C	>720h

XLPE Cables

FLEXIBLE XLPE COPPER SDI 0.6/1KV



Cable description:

Flexible Single Core Cable, Class 5 Conductor, 5V-90 X-90 XLPE Insulated, PVC Sheathed, to AS/NZS 5000.1.
Note: For fixed installation.

Product Code	Conductor		Nominal Insulation Thickness mm	Cable		Approx. Mass kg/100m	Min. Installed Bending Radius mm
	Nominal C.S.A. mm ²	Nominal Diameter mm		Overall Diameter			
				Minimum mm	Maximum mm		
351CFF90	35	7.7	0.9	11.9	12.7	38.7	76
501CFF90	50	9.3	1.0	13.7	14.5	53.5	87
701CFF90	70	11.1	1.0	15.7	16.5	72.9	99
951CFF90	95	12.8	1.0	17.5	18.4	94.2	110
1201CFF90	120	14.5	1.2	19.4	20.3	118.6	122
1501CFF90	150	16.3	1.4	21.7	22.7	147.4	136
1851CFF90	185	18.0	1.6	23.8	24.8	178.0	149
2401CFF90	240	20.8	1.7	26.9	28.0	231.8	168
3001CFF90	300	23.4	1.8	29.8	30.9	288.3	186
4001CFF90	400	26.8	2.0	33.8	35.0	376.2	210
5001CFF90	500	30.3	2.2	37.8	39.1	474.5	235
6301CFF90	630	35.1	2.4	43.2	44.6	628.9	268



FLEXIBLE XLPE COPPER SDI 0.6/1KV

Cable description:

Flexible Single Core Cable, Class 5 Conductor, RE-110 Insulated, HFS-110-TP Sheathed, LSOH, to AS/NZS 5000.1.

Note: For fixed Installation.

Product Code	Conductor		Nominal Insulation Thickness mm	Overall Diameter		Approx. Mass kg/100m	Min. Installed Bending Radius mm
	Nominal C.S.A. mm ²	Nominal Diameter mm		Minimum mm	Maximum mm		
351CFF110	35	7.7	1.2	12.5	13.3	40.3	80
501CFF110	50	9.3	1.4	14.5	15.3	55.9	92
701CFF110	70	11.1	1.4	16.4	17.2	75.0	103
951CFF110	95	12.8	1.6	18.6	19.4	97.9	116
1201CFF110	120	14.5	1.6	20.2	21.1	122.0	127
1501CFF110	150	16.3	1.8	22.6	23.6	151.1	141
1851CFF110	185	18.0	2.0	24.8	25.8	183.1	155
2401CFF110	240	20.8	2.2	28.2	29.3	239.0	176
3001CFF110	300	23.4	2.4	29.9	31.1	290.0	186
4001CFF110	400	26.8	2.6	35.2	36.5	386.2	219
5001CFF110	500	30.3	2.8	39.3	40.6	485.7	244
6301CFF110	630	35.1	2.8	44.1	45.6	637.3	273

XLPE COPPER SDI 0.6/1KV

Cable description:

Single Core Cable, Class 2 Conductor, Copper Conductor, X-90 XLPE Insulated, 5V-90 PVC Sheathed, to AS/NZS 5000.1.

Note: Non Compacted Conductor except otherwise stated.

Catalogue Reference	Nominal Conductor Area mm ²	Approx. Overall Diameter mm	Approx. Mass kg/100m	Min. Installed Bending Radius mm
16CUXLP	16	9.5	21	40
25CUXLP	25	11.2	31	45
35CUXLP	35	12.4	41	50
50CUXLP	50	13.9	54	55
70CUXLP	70	15.8	73	65
95CUXLP	95	17.9	100	75
120CUXLP	120	19.6	124	80
150CUXLP	150	21.9	153	90
185CUXLP	185	24.1	190	100
240CUXLP	240	27.1	246	165
300CUXLP	300	30.0	307	180
400CUXLP	400	33.5	388	200
*500CCUXLP	*500	35.2	489	280
*630CCUXLP	*630	39.7	625	315

* Compacted Conductor.

Note: LSOH version available.



XLPE ALUMINIUM SDI 0.6/1KV

Cable description:

Single Core Cable, Aluminium Conductor, X-90 XLPE Insulated, 5V-90 PVC Sheathed, to AS/NZS 5000.1.

Note: Class 2 Compacted Conductor.

Catalogue Reference	Nominal Conductor Area mm ²	Approx. Overall Diameter mm	Approx. Mass kg/100m	Min. Installed Bending Radius mm
25CALXLP	25	10.9	15	85
35CALXLP	35	11.9	18	95
50CALXLP	50	13.1	23	105
70CALXLP	70	15.0	31	120
95CALXLP	95	16.9	40	135
120CALXLP	120	18.5	48	145
150CALXLP	150	20.4	58	165
185CALXLP	185	22.6	73	180
240CALXLP	240	25.3	93	200
300CALXLP	300	28.0	114	225
400CALXLP	400	31.5	145	250
500CALXLP	500	35.2	180	280
630CALXLP	630	39.6	230	315

Note: LSOH version available.



XLPE MULTICORE CIRCULAR 0.6/1KV

Cable description:

2 & 3 Core plus Earth Circular Cable, Copper Conductor, X-90 XLPE Insulated, 5V-90 PVC Sheathed, to AS/NZS 5000.1.

Note: Non Compacted Conductor.

Catalogue Reference	Nominal Conductor Area mm ²	Approx. Overall Diameter mm		Approx. Mass kg/100m		Min. Installed Bending Radius mm		
		2C+E	3C+E	2C+E	3C+E	2C+E	3C+E	
1.52CEXLP	1.5			10.1		14	41	
2.52CEXLP	2.5			11.3		19	46	
42CEXLP	4.0			12.2		23	49	
62CEXLP	6.0			13.2		29	53	
102CEXLP	10			15.1		41	61	
162CEXLP	16			17.4		54	70	
252CEXLP	25			21.0		75.4	85	
	253CEXLP	25			22.4		102	90
	353CEXLP	35			25.0		136	150
	503CEXLP	50			28.5		183	170
	703CEXLP	70			33.0		254	200
	953CEXLP	95			37.0		336	220
	1203CEXLP	120			41.0		422	245
	1503CEXLP	150			46.0		525	275
	1853CEXLP	185			51.6		665	310
	2403CEXLP	240			58.1		868	350
	3003CEXLP	300			64.4		1084	385

2C+E = 2 Core + Earth. 3C+E = 3 Core + Earth.

Note: LSOH version available.



XLPE MULTICORE CIRCULAR 0.6/1KV

Cable description:

4 Core & 4 Core plus Earth Circular Cable, Copper Conductor, X-90 XLPE Insulated, 5V-90 PVC Sheathed, to AS/NZS 5000.1.

Note: Non Compacted Conductor.

Catalogue Reference	Nominal Conductor Area mm ²	Approx. Overall Diameter mm	Approx. Mass kg/100m	Min. Installed Bending Radius mm
164CEXLP	16	21.0	87.5	85
254CEXLP	25	24.9	130	150
354CEXLP	35	27.8	173	165
504CEXLP	50	32.0	235	190
704CEXLP	70	37.1	325	225
954CEXLP	95	41.8	437	250
1204CEXLP	120	46.2	547	280
1504CEXLP	150	52.0	680	310
1854CEXLP	185	58.3	857	350
2404CEXLP	240	65.8	1122	395
3004CEXLP	300	72.9	1400	440

XLPE MULTICORE SWA CIRCULAR 0.6/1KV

Cable description:

3 Core plus Earth Circular Cable, Copper Conductor, X-90 XLPE Insulated, PVC Bedded, Steel Wire Armoured, 5V-90 PVC Sheathed, to AS/NZS 5000.1.

Note: Non Compacted Conductor.

Catalogue Reference	Nominal Conductor Area mm ²	Approx. Diameter Over Bedding mm	Approx. Overall Diameter mm	Approx. Mass kg/100m	Min. Installed Bending Radius mm
253CEXLPA	25	21.4	28.2	187	340
353CEXLPA	35	24.0	30.8	229	370
503CEXLPA	50	27.5	34.5	291	415
703CEXLPA	70	31.8	40.0	406	480
953CEXLPA	95	35.6	44.0	504	530
1203CEXLPA	120	39.3	47.9	608	575
1503CEXLPA	150	44.4	54.4	783	655
1853CEXLPA	185	49.6	59.8	949	720
2403CEXLPA	240	56.4	67.0	1198	805
3003CEXLPA	300	62.3	73.3	1447	880

Note: LSOH version available.



XLPE MULTICORE SWA CIRCULAR 0.6/1KV

Cable description:

4 Core plus Earth Circular Cable, Copper Conductor, X-90 XLPE Insulated, PVC Bedded, Steel Wire Armoured, 5V-90 PVC Sheathed, to AS/NZS 5000.1.

Note: Non Compacted Conductor.

Catalogue Reference	Nominal Conductor Area mm ²	Approx. Diameter Over Bedding mm	Approx. Overall Diameter mm	Approx. Mass kg/100m	Min. Installed Bending Radius mm
254CEXLPA	25	23.8	30.6	223	370
354CEXLPA	35	26.8	33.8	278	405
504CEXLPA	50	30.8	38.8	379	465
704CEXLPA	70	35.7	44.1	493	530
954CEXLPA	95	40.0	48.6	624	585
1204CEXLPA	120	44.6	54.6	804	655
1504CEXLPA	150	50.0	60.4	970	725
1854CEXLPA	185	56.4	67.0	1184	805
2404CEXLPA	240	63.5	74.5	1487	895
3004CEXLPA	300	70.2	81.6	1804	980

Note: LSOH version available on request.

Instrumentation Cables

INFORM@X®

Cable description:

P50-P56 cables are intrinsically safe electrically to AS 2380.7 & AS 2381.7. Construction design standard according to EN 50288-7. Instrumentation cables are used in a broad range of operational conditions, they are primarily allocated to control applications where optimal protection from electrical noise is required. These cables can be used for digital and analogue data transmission at 110V in PLC and SCADA systems.

P50 Instrumentation - Overall Screen (CS)

Product Code	Pairs	Nominal O.D		Min. Bending Radius		Max. Pulling Tension		Approx. Mass	
		Plain	SWA	Plain	SWA	Plain	SWA	Plain	SWA
		mm	mm	mm	mm	N	N	kg/km	kg/km
P5001CS	1	6.8	-	41	-	70	-	55	-
P5002CS	2	10.3	14.4	62	173	140	1390	121	344
P5004CS	4	11.8	16.6	71	200	280	2060	162	516
P5006CS	6	14.0	18.8	84	226	420	2520	196	631
P5008CS	8	14.4	19.3	87	231	560	2950	256	679
P5010CS	10	17.5	23.1	105	277	700	3360	304	972
P5012CS	12	18.0	23.6	108	284	840	4010	344	1031
P5016CS	16	19.9	25.6	120	307	1120	5060	431	1178
P5020CS	20	22.1	27.7	132	332	1400	6180	519	1343
P5024CS	24	25.0	30.6	150	367	1680	6960	634	1544
P5036CS	36	28.5	35.0	171	420	2520	9450	882	2153

P50 Instrumentation - Element And Overall Screen (ESCS)

Product Code	Pairs	Nominal O.D		Min. Bending Radius		Max. Pulling Tension		Approx. Mass	
		Plain	SWA	Plain	SWA	Plain	SWA	Plain	SWA
		mm	mm	mm	mm	N	N	kg/km	kg/km
P5002ESCS	2	11.5	15.6	69	187	140	1550	146	391
P5004ESCS	4	13.3	18.1	80	218	280	2310	200	598
P5006ESCS	6	16.4	21.4	98	256	420	2890	266	772
P5008ESCS	8	16.8	21.7	101	261	560	3390	312	831
P5010ESCS	10	19.7	25.3	118	304	700	4170	384	1129
P5012ESCS	12	20.3	25.9	122	311	840	4980	437	1203
P5016ESCS	16	22.5	28.2	135	338	1120	5900	551	1393
P5020ESCS	20	25.4	31.1	153	373	1400	6860	691	1618
P5024ESCS	24	28.3	34.7	170	417	1680	8000	814	2084
P5036ESCS	36	32.4	39.3	194	471	2520	11160	1141	2626

POWER CABLES

P51 Instrumentation - Overall Screen (CS)

Product Code	Pairs	Nominal O.D		Min. Bending Radius		Max. Pulling Tension		Approx. Mass	
		Plain	SWA	Plain	SWA	Plain	SWA	Plain	SWA
		mm	mm	mm	mm	N	N	kg/km	kg/km
P5102ES	1 Pair	8.1	12.4	48	149	210	1390	85	265
P5103ES	1 Triple	8.5	12.9	51	155	315	1480	107	309

P53 Instrumentation - Overall Screen (CS)

Product Code	Triples	Nominal O.D		Min. Bending Radius		Max. Pulling Tension		Approx. Mass	
		Plain	SWA	Plain	SWA	Plain	SWA	Plain	SWA
		mm	mm	mm	mm	N	N	kg/km	kg/km
P5304CS	4	13.4	18.2	80	219	420	2520	212	610
P5306CS	6	16.5	21.5	99	258	630	3150	297	803
P5312CS	12	20.1	25.7	121	309	1260	5450	471	1233
P5316CS	16	22.3	28.0	134	335	1680	6570	596	1435
P5336CS	36	32.1	38.9	192	467	3780	13480	1249	2698

P53 Instrumentation - Element And Overall Screen (ESCS)

Product Code	Triples	Nominal O.D		Min. Bending Radius		Max. Pulling Tension		Approx. Mass	
		Plain	SWA	Plain	SWA	Plain	SWA	Plain	SWA
		mm	mm	mm	mm	N	N	kg/km	kg/km
P5304ESCS	4	15.2	19.5	91	234	420	2920	266	680
P5306ESCS	6	18.1	23.7	109	285	630	3940	346	1034
P5308ESCS	8	18.6	24.2	112	291	840	4980	399	1105
P5312ESCS	12	22.6	28.2	135	338	1260	6470	562	1405
P5316ESCS	16	25.5	31.2	153	374	1680	8050	739	1683
P5336ESCS	36	36.2	43.1	217	517	3780	15360	1504	3140

P55 Instrumentation - Overall Screen (CS)

Product Code	Pairs	Nominal O.D		Min. Bending Radius		Max. Pulling Tension		Approx. Mass	
		Plain	SWA	Plain	SWA	Plain	SWA	Plain	SWA
		mm	mm	mm	mm	N	N	kg/km	kg/km
P5502CS	2	12.4	17.3	75	207	420	1900	193	547
P5504CS	4	14.5	19.3	87	231	840	2700	272	686
P5506CS	6	17.9	23.5	107	282	1260	3430	373	1059
P5508CS	8	18.4	24.0	110	288	1680	4360	436	1141
P5510CS	10	21.6	27.2	130	327	2100	5320	536	1340
P5512CS	12	22.3	27.9	134	335	2520	5950	617	1458

POWER CABLES

P55 Instrumentation - Element And Overall Screen (ESCS)

Product Code	Pairs	Nominal O.D		Min. Bending Radius		Max. Pulling Tension		Approx. Mass	
		Plain	SWA	Plain	SWA	Plain	SWA	Plain	SWA
		mm	mm	mm	mm	N	N	kg/km	kg/km
P5502ESCS	2	13.3	18.1	80	217	420	2140	215	589
P5504ESCS	4	16.7	21.6	100	260	840	3090	331	803
P5506ESCS	6	19.9	25.6	120	307	1260	4200	426	1173
P5508ESCS	8	20.4	26.1	123	313	1680	5360	501	1266
P5510ESCS	10	24.5	30.2	147	362	2100	6180	640	1546
P5512ESCS	12	25.3	31.0	152	372	2520	6960	736	1662

P56 Instrumentation - Overall (Cs) Or Element And Overall Screen (ESCS)

Product Code	Pairs	Nominal O.D		Min. Bending Radius		Max. Pulling Tension		Approx. Mass	
		Plain	SWA	Plain	SWA	Plain	SWA	Plain	SWA
		mm	mm	mm	mm	N	N	kg/km	kg/km
P5604CS	4	17.1	22.0	102	264	1260	1260	390	868
P5606CS	6	20.4	26.1	122	313	1890	1890	512	1272
P5612CS	12	25.4	31.1	153	373	3780	3780	957	1816
P5604ESCS	4	18.3	24.0	110	288	1260	1260	425	1073
P5606ESCS	6	22.0	27.6	132	332	1890	1890	556	1380
P5612ESCS	12	28.1	34.5	168	414	3780	3780	989	2234

Electrical Characteristics - P31 Data

Cable Type	Units	P50 CS	P50 ESCS	P51 ES	P53 CS	P53 ESCS	P55 CS	P55 ESCS	P56 CS
Conductor Size	mm	0.5	0.5	1.5	0.5	0.5	1.5	1.5	1.5
Conductor Resistance at 20°C	ohms/100m	3.84	3.84	1.36	3.84	3.84	1.36	1.36	1.36
Insulation Resistance at 20°C	mohms/km	10	10	10	10	10	10	10	10
Max Continuous Current Rating	A	3.2	3.2	12	3.2	3.2	12	12	12
Max D.C. Voltage Withstand	kV	3	3	3	3	3	3	3	3
Capacitance of pairs	pF/m	250	250	250	-	-	250	250	-
Capacitance Unbalanced between pairs	pF/100m	100	100	-	-	-	100	100	-
L/R Ratio	μH/ohms	25	25	40	25	25	40	40	40

Control Cables



1.5MM² MULTICORE PVC CONTROL 0.6/1KV

Cable description:

Multicore Circular with Earth, 1.5mm² Copper Conductor, V-90 PVC Insulated and 5V-90 Sheathed Control Cable, to AS/NZS 5000.1.

Catalogue Reference	No. Of Power Cores	Approx. Overall Diameter mm	Approx. Mass kg/100m	Min. Installed Bending Radius mm
1.52CECON	2	10.1	15	40
1.53CECON	3	10.9	18	45
1.54CECON	4	11.9	21	50
1.55CECON	5	13.5	23	55
1.56CECON	6	13.5	25	55
1.57CECON	7	14.4	28	60
1.58CECON	8	15.4	31	60
1.510CECON	10	16.6	36	65
1.512CECON	12	17.3	41	70
1.515CECON	15	19.2	49	75
1.520CECON	20	21.1	61	85
1.525CECON	25	23.3	73	95
1.530CECON	30	24.6	85	100
1.540CECON	40	28.0	110	170
1.550CECON	50	31.4	135	190

2.5MM² MULTICORE PVC CONTROL 0.6/1KV

Cable description:

Multicore Circular with Earth, 2.5mm² Copper Conductor, V-90 PVC Insulated and 5V-90 PVC Sheathed Control Cable, to AS/NZS 5000.1.

Catalogue Reference	No. Of Power Cores	Approx. Overall Diameter mm	Approx. Mass kg/100m	Min. Installed Bending Radius mm
2.52CECON	2	11.3	20	50
2.53CECON	3	12.3	25	50
2.54CECON	4	13.3	30	60
2.55CECON	5	15.0	31	60
2.56CECON	6	15.0	36	60
2.57CECON	7	16.1	39	70
2.58CECON	8	17.2	43	80
2.510CECON	10	18.6	50	80
2.512CECON	12	19.5	58	80
2.515CECON	15	21.6	70	90
2.520CECON	20	23.8	89	100
2.525CECON	25	26.3	107	160
2.530CECON	30	27.4	124	170
2.540CECON	40	32.0	163	200
2.550CECON	50	35.9	201	220

Note: LSOH version available on request.



1.5MM² MULTICORE PVC CONTROL SWA 0.6/1KV

Cable description:

Multicore Circular with Earth, 1.5mm² Copper Conductor, V-90 PVC Insulated and PVC Bedded, Steel Wire Armoured, 5V-90 PVC Sheathed Control Cable, to AS/NZS 5000.1.

Catalogue Reference	No. Of Power Cores	Approx. Diameter Over Bedding mm	Approx. Overall Diameter mm	Approx. Mass kg/100m	Min. Installed Bending Radius mm
1.52CECONA	2	9.1	15.2	48	190
1.53CECONA	3	9.9	16.1	52	200
1.54CECONA	4	10.9	17.0	59	210
1.55CECONA	5	12.4	18.5	65	230
1.56CECONA	6	12.4	18.5	66	230
1.57CECONA	7	13.4	19.5	73	250
1.58CECONA	8	14.4	20.5	79	260
1.510CECONA	10	15.6	21.7	87	260
1.512CECONA	12	16.3	22.4	94	270
1.515CECONA	15	18.2	24.3	108	290
1.520CECONA	20	20.1	26.9	141	340
1.525CECONA	25	22.3	29.1	160	350
1.530CECONA	30	23.1	29.9	175	370
1.540CECONA	40	27.1	34.1	216	410
1.550CECONA	50	30.3	38.5	280	460

2.5MM² MULTICORE PVC CONTROL SWA 0.6/1KV

Cable description:

Multicore Circular with Earth, 2.5mm² Copper Conductor, V-90 PVC Insulated and PVC Bedded, Steel Wire Armoured, 5V-90 PVC Sheathed Control Cable, to AS/NZS 5000.1.

Catalogue Reference	No. Of Power Cores	Approx. Diameter Over Bedding mm	Approx. Overall Diameter mm	Approx. Mass kg/100m	Min. Installed Bending Radius mm
2.52CECONA	2	10.3	16.4	57	200
2.53CECONA	3	11.3	17.4	65	210
2.54CECONA	4	12.3	18.4	72	220
2.55CECONA	5	14.0	20.1	80	240
2.56CECONA	6	13.5	19.6	82	240
2.57CECONA	7	15.1	21.2	95	260
2.58CECONA	8	16.2	22.3	103	270
2.510CECONA	10	17.6	23.7	109	290
2.512CECONA	12	18.5	25.3	133	300
2.515CECONA	15	20.6	27.4	151	330
2.520CECONA	20	22.8	29.6	183	360
2.525CECONA	25	25.3	32.3	207	390
2.530CECONA	30	26.4	33.4	234	400
2.540CECONA	40	30.9	39.1	313	470
2.550CECONA	50	34.6	43.0	361	520

Note: LSOH version available on request.

Aerial Cables



PVC AERIAL 0.6/1KV

Cable description:

Single Core Aerial Cable, Hard Drawn Copper Conductor, V-90 PVC Insulated, Unsheathed, to AS/NZS5000.1.

Catalogue Reference	Nominal Conductor Area mm ²	Approx. Overall Diameter mm	Approx. Mass kg/100m	Mln. Installed Bending Radius mm
Single Core				
61CAER	6.0	5.2	8	20
101CAER	10	6.2	12	20
161CAER	16	7.2	18	30
251CAER	25	9.3	28	40
351CAER	35	10.2	38	40
501CAER	50	11.9	51	50
701CAER	70	13.7	72	60
951CAER	95	15.9	98	60
1201CAER	120	17.4	120	70
1501CAER	150	19.5	148	80
1851CAER	185	21.7	189	90

PVC AERIAL PARALLEL WEBBED 0.6/1KV

Cable description:

2 Core Parallel Webbed Aerial Cable, Hard Drawn Copper Conductor, V-90 PVC Insulated, Unsheathed, to AS/NZS 5000.1.

Catalogue Reference	Nominal Conductor Area mm ²	Approx. Overall Diameter mm	Approx. Mass kg/100m	Mln. Installed Bending Radius mm
2 Core				
6FIG8AER	6.0	11.2x5.2	15	20
10FIG8AER	10	13.2x6.2	24	25
16FIG8AER	16	15.3x7.2	37	30



PVC TWISTED AERIAL 0.6/1KV

Cable description:

2, 3 & 4 Core Twisted Aerial Cable, Hard Drawn Copper Conductor, V-90 PVC Insulated, Unsheathed, to AS/NZS 5000.1.

Catalogue Reference	Nominal Conductor Area mm ²	Approx. Overall Diameter mm	Approx. Mass kg/100m	Min. Installed Bending Radius mm
2 Core				
62CTAER	6.0	10.3	15	60
102CTAER	10	12.3	24	70
162CTAER	16	14.4	37	90
252CTAER	25	18.5	57	110
3 Core				
63CTAER	6.0	11.1	23	70
103CTAER	10	13.3	36	80
163CTAER	16	15.5	55	95
253CTAER	25	20.0	85	120
4 Core				
64CTAER	6.0	12.4	30	75
104CTAER	10	14.9	48	90
164CTAER	16	17.4	73	105
254CTAER	25	22.3	112	135

Control Cables



1.5MM² MULTICORE PVC CONTROL 0.6/1KV

Cable description:

Multicore Circular with Earth, 1.5mm² Copper Conductor, V-90 PVC Insulated and SV-90 Sheathed Control Cable, to AS/NZS 5000.1.

Catalogue Reference	No. Of Power Cores	Approx. Overall Diameter mm	Approx. Mass kg/100m	Min. Installed Bending Radius mm
1.52CECON	2	10.1	15	40
1.53CECON	3	10.9	18	45
1.54CECON	4	11.9	21	50
1.55CECON	5	13.5	23	55
1.56CECON	6	13.5	25	55
1.57CECON	7	14.4	28	60
1.58CECON	8	15.4	31	60
1.510CECON	10	16.6	36	65
1.512CECON	12	17.3	41	70
1.515CECON	15	19.2	49	75
1.520CECON	20	21.1	61	85
1.525CECON	25	23.3	73	95
1.530CECON	30	24.6	85	100
1.540CECON	40	28.0	110	170
1.550CECON	50	31.4	135	190

2.5MM² MULTICORE PVC CONTROL 0.6/1KV

Cable description:

Multicore Circular with Earth, 2.5mm² Copper Conductor, V-90 PVC Insulated and SV-90 PVC Sheathed Control Cable, to AS/NZS 5000.1.

Catalogue Reference	No. Of Power Cores	Approx. Overall Diameter mm	Approx. Mass kg/100m	Min. Installed Bending Radius mm
2.52CECON	2	11.3	20	50
2.53CECON	3	12.3	25	50
2.54CECON	4	13.3	30	60
2.55CECON	5	15.0	31	60
2.56CECON	6	15.0	36	60
2.57CECON	7	16.1	39	70
2.58CECON	8	17.2	43	80
2.510CECON	10	18.6	50	80
2.512CECON	12	19.5	58	80
2.515CECON	15	21.6	70	90
2.520CECON	20	23.8	89	100
2.525CECON	25	26.3	107	160
2.530CECON	30	27.4	124	170
2.540CECON	40	32.0	163	200
2.550CECON	50	35.9	201	220

Note: LSOH version available on request.



1.5MM² MULTICORE PVC CONTROL SWA 0.6/1KV

Cable description:

Multicore Circular with Earth, 1.5mm² Copper Conductor, V-90 PVC Insulated and PVC Bedded, Steel Wire Armoured, 5V-90 PVC Sheathed Control Cable, to AS/NZS 5000.1.

Catalogue Reference	No. Of Power Cores	Approx. Diameter Over Bedding mm	Approx. Overall Diameter mm	Approx. Mass kg/100m	Min. Installed Bending Radius mm
1.52CECONA	2	9.1	15.2	48	190
1.53CECONA	3	9.9	16.1	52	200
1.54CECONA	4	10.9	17.0	59	210
1.55CECONA	5	12.4	18.5	65	230
1.56CECONA	6	12.4	18.5	66	230
1.57CECONA	7	13.4	19.5	73	250
1.58CECONA	8	14.4	20.5	79	260
1.510CECONA	10	15.6	21.7	87	260
1.512CECONA	12	16.3	22.4	94	270
1.515CECONA	15	18.2	24.3	108	290
1.520CECONA	20	20.1	26.9	141	340
1.525CECONA	25	22.3	29.1	160	350
1.530CECONA	30	23.1	29.9	175	370
1.540CECONA	40	27.1	34.1	216	410
1.550CECONA	50	30.3	38.5	280	460

2.5MM² MULTICORE PVC CONTROL SWA 0.6/1KV

Cable description:

Multicore Circular with Earth, 2.5mm² Copper Conductor, V-90 PVC Insulated and PVC Bedded, Steel Wire Armoured, 5V-90 PVC Sheathed Control Cable, to AS/NZS 5000.1.

Catalogue Reference	No. Of Power Cores	Approx. Diameter Over Bedding mm	Approx. Overall Diameter mm	Approx. Mass kg/100m	Min. Installed Bending Radius mm
2.52CECONA	2	10.3	16.4	57	200
2.53CECONA	3	11.3	17.4	65	210
2.54CECONA	4	12.3	18.4	72	220
2.55CECONA	5	14.0	20.1	80	240
2.56CECONA	6	13.5	19.6	82	240
2.57CECONA	7	15.1	21.2	95	260
2.58CECONA	8	16.2	22.3	103	270
2.510CECONA	10	17.6	23.7	109	290
2.512CECONA	12	18.5	25.3	133	300
2.515CECONA	15	20.6	27.4	151	330
2.520CECONA	20	22.8	29.6	183	360
2.525CECONA	25	25.3	32.3	207	390
2.530CECONA	30	26.4	33.4	234	400
2.540CECONA	40	30.9	39.1	313	470
2.550CECONA	50	34.6	43.0	361	520

Note: LSOH version available on request.

Aerial Cables



PVC AERIAL 0.6/1KV

Cable description:

Single Core Aerial Cable, Hard Drawn Copper Conductor, V-90 PVC Insulated, Unsheathed, to AS/NZS5000.1.

Catalogue Reference	Nominal Conductor Area mm ²	Approx. Overall Diameter mm	Approx. Mass kg/100m	Min. Installed Bending Radius mm
Single Core				
61CAER	6.0	5.2	8	20
101CAER	10	6.2	12	20
161CAER	16	7.2	18	30
251CAER	25	9.3	28	40
351CAER	35	10.2	38	40
501CAER	50	11.9	51	50
701CAER	70	13.7	72	60
951CAER	95	15.9	98	60
1201CAER	120	17.4	120	70
1501CAER	150	19.5	148	80
1851CAER	185	21.7	189	90

PVC AERIAL PARALLEL WEBBED 0.6/1KV

Cable description:

2 Core Parallel Webbed Aerial Cable, Hard Drawn Copper Conductor, V-90 PVC Insulated, Unsheathed, to AS/NZS 5000.1.

Catalogue Reference	Nominal Conductor Area mm ²	Approx. Overall Diameter mm	Approx. Mass kg/100m	Min. Installed Bending Radius mm
2 Core				
6FIG8AER	6.0	11.2x5.2	15	20
10FIG8AER	10	13.2x6.2	24	25
16FIG8AER	16	15.3x7.2	37	30



PVC TWISTED AERIAL 0.6/1KV

Cable description:

2, 3 & 4 Core Twisted Aerial Cable, Hard Drawn Copper Conductor, V-90 PVC Insulated, Unsheathed, to AS/NZS 5000.1.

Catalogue Reference	Nominal Conductor Area mm ²	Approx. Overall Diameter mm	Approx. Mass kg/100m	Min. Installed Bending Radius mm
2 Core				
62CTAER	6.0	10.3	15	60
102CTAER	10	12.3	24	70
162CTAER	16	14.4	37	90
252CTAER	25	18.5	57	110
3 Core				
63CTAER	6.0	11.1	23	70
103CTAER	10	13.3	36	80
163CTAER	16	15.5	55	95
253CTAER	25	20.0	85	120
4 Core				
64CTAER	6.0	12.4	30	75
104CTAER	10	14.9	48	90
164CTAER	16	17.4	73	105
254CTAER	25	22.3	112	135

Firestop Cables



Afumex
The Safe Choice



MULTICORE FIRESTOP FS90 0.6/1KV

Cable description:

Multicore Circular, Copper Conductor, Mica Glass Taped, X-90 XLPE Insulation, HFS-90-TP Sheathed, 0.6/1kV, to AS/NZS 5000.1 and AS/NZS 3013 WS Rating.

Code	Nominal Conductor Area mm ²	Approx. Overall Diameter mm	Approx. Mass kg/100m	AS/NZS 3013 WS Rating
2 Core				
*1.02CFS90	1.0	11.3	16	WS51W
1.52CFS90	1.5	11.9	18	WS52W
2.52CFS90	2.5	12.9	22	WS52W
2 Core + Earth				
1.52CEFS90	1.5	11.9	19	WS52W
2.52CEFS90	2.5	13.4	25	WS52W
42CEFS90	4.0	14.2	29	WS52W
62CEFS90	6.0	15.3	35	WS52W
3 Core				
1.03CFS90	1.0	11.9	17	WS51W
1.53CFS90	1.5	12.5	20	WS52W
2.53CFS90	2.5	13.6	25	WS52W
3 Core + Earth				
1.53CEFS90	1.5	13.4	23	WS52W
2.53CEFS90	2.5	14.6	29	WS52W
43CEFS90	4.0	15.6	35	WS52W
63CEFS90	6.0	16.8	43	WS52W
4 Core				
*1.04CFS90	1.0	12.9	20	WS51W
1.54CFS90	1.5	13.6	23	WS52W
2.54CFS90	2.5	14.8	30	WS52W
4 Core + Earth				
1.54CEFS90	1.5	14.6	26	WS52W
2.54CEFS90	2.5	16.0	34	WS52W
44CEFS90	4.0	16.8	42	WS52W
64CEFS90	6.0	18.5	53	WS52W
6 Core + Earth				
1.56CFS90	1.5	16.1	28	WS52W
1.56CEFS90	1.5	16.1	29	WS52W
2.56CEFS90	2.5	17.6	39	WS52W
7 Core				
1.57CFS90	1.5	16.1	29	WS52W
10 Core + Earth				
1.510CEFS90	1.5	20.2	42	WS52W
2.510CEFS90	2.5	22.2	57	WS52W
20 Core + Earth				
1.520CEFS90	1.5	25.7	72	WS52W
2.520CEFS90	2.5	28.4	99	WS52W

* Meets CAT 3 Data Transmission Characteristics.



FIRESTOP FS90 FLAT 250/450V & 0.6/1KV

Cable description:

Figure 8, Copper Conductor, Mica Glass Taped, XLPE Insulation, HFS-90-TP Sheathed, to AS/NZS 5000.1 and AS/NZS 3013 WS Rating.



Code	Nominal Conductor Area mm ²	Approx. Overall Dimensions mm	Approx. Mass kg/100m	AS/NZS 3013 WS Rating
2 CORE 250/450V				
*1.02CFF90LD	1.0	5.5x9.0	7.2	WS5W
*1.52CFF90LD	1.5	5.7x9.6	8.5	WS5W
2 CORE 0.6/1KV				
*1.02CFF90HD	1.0	7.7x11.2	10.3	WS52W
*1.52CFF90HD	1.5	8.0x11.8	12.0	WS52W

* Complies to AS/ACIF 5 008.

SINGLE CORE FIRESTOP FS110 0.6/1KV

Cable description:

Single Core Circular, Copper Conductor, Mica Glass Taped, R-HF-110 Insulation, HF-110-R Sheathed, to AS/NZS 5000.1.

Code	Nominal Conductor Area mm ²	Approx. Overall Diameter mm	Approx. Mass kg/100m	AS/NZS 3013 WS Rating
101CFS110	10	9.9	1.9	WS5W
161CFS110	16	10.9	2.5	WS52W
251CFS110	25	13.1	3.8	WS52W
351CFS110	35	14.2	4.7	WS52W
501CFS110	50	16.0	6.2	WS52W
701CFS110	70	17.6	8.2	WS52W

FLEXIBLE SINGLE CORE FIRESTOP FS110 0.6/1KV

Cable description:

Flexible Single Core Circular, Class 5 Conductor, Mica Glass Taped Fire Barrier XHF-110, HFS-110-TP Sheathed, Colour Red, to AS/NZS 5000.1 and AS/NZS 3013 WS Rating.

Code	Nominal C.S.A. mm ²	Nominal Cable O.D.	Approx. Mass kg/100m	AS/NZS 3013 WS Rating
251CFFFS110	25	13.7	36.0	WS52W
351CFFFS110	35	14.8	46.0	WS52W
501CFFFS110	50	16.4	61.0	WS52W
701CFFFS110	70	18.2	81.0	WS52W
951CFFFS110	95	20.1	103.0	WS52W
1201CFFFS110	120	21.8	128.0	WS52W
1501CFFFS110	150	24.0	157.0	WS52W
1851CFFFS110	185	26.1	189.0	WS52W
2401CFFFS110	240	29.3	245.0	WS52W
3001CFFFS110	300	32.2	303.0	WS52W
4001CFFFS110	400	36.3	394.0	WS52W
5001CFFFS110	500	40.4	495.0	WS52W
6301CFFFS110	630	45.9	654.0	WS52W



MULTICORE FIRESTOP FS110 0.6/1KV

Cable description:

Multicore Circular, Copper Conductor, Mica Glass Taped, R-HF-110 Insulation, HF-110-R Sheathed, to AS/NZS 5000.1 and AS/NZS 3013 WS Rating.

Code	Nominal Conductor Area mm ²	Approx. Overall Diameter mm	Approx. Mass kg/100m	AS/NZS 3013 WS Rating
3 Core + Earth				
103CEFS110	10	20.1	75	WS52W
163CEFS110	16	22.4	100	WS52W
253CEFS110	25	27.0	144	WS52W
353CEFS110	35	29.2	183	WS52W
503CEFS110	50	33.3	244	WS52W
703CEFS110	70	37.4	325	WS52W
953CEFS110	95	42.3	429	WS52W
1203CEFS110	120	46.0	527	WS52W
1503CEFS110	150	51.1	651	WS52W
1853CEFS110	185	56.4	818	WS52W
2403CEFS110	240	63.8	1066	WS52W
4 Core + Earth				
104CEFS110	10	22.2	94	WS52W
164CEFS110	16	24.8	126	WS52W
254CEFS110	25	30.0	183	WS52W
354CEFS110	35	33.0	222	WS52W
504CEFS110	50	37.4	315	WS52W
704CEFS110	70	42.0	419	WS52W
954CEFS110	95	47.2	550	WS52W
1204CEFS110	120	51.2	676	WS52W
1504CEFS110	150	57.2	837	WS52W
1854CEFS110	185	63.7	1063	WS52W
2404CEFS110	240	72.2	1386	WS52W



VaSTEC™ EMC/VARIABLE SPEED DRIVE 0.6/1KV

Cable description:

1.5mm² & 2.5mm² cables are a flexible, 3 core and earth copper construction, X-90 XLPE Insulated and 5V-90 PVC sheathed to AS/NZS 5000.1 Incorporating a heavy duty tinned copper braid screen over metallised tape.

4.0mm² to 10mm² cable are a flexible, copper 3 core plus 3 split earth symmetrical construction, X-90 XLPE Insulated and 5V-90 PVC sheathed to AS/NZS 5000.1 Incorporating a heavy duty tinned copper braid screen over metallised tape.

Code	Nominal Conductor Area mm ²	Nominal Combined Earth Area mm ²	Overall Diameter mm		Weight kg/100m
			Min.	Max.	
1.5FXEMC*	1.5	1.5	11.7	12.7	21
2.5FXEMC*	2.5	2.5	11.9	13.3	27
4FXEMC	4.0	3.0	13.9	14.9	36
6FXEMC	6.0	3.0	15.7	16.7	46
10FXEMC	10	4.5	17.6	18.9	65

* Cable has only one earth with a cross section area equal to the phase conductor.

VaSTEC™ EMC/VARIABLE SPEED DRIVE 0.6/1KV

Cable description:

Rigid copper 3 core plus 3 split earth copper symmetrical construction, XLPE Insulated and 5V-90 PVC sheathed to AS/NZS 5000.1 Incorporating a copper tape screen over 5V-90 PVC bedding.

Code	Nominal Conductor Area mm ²	Nominal Combined Earth Area mm ²	Nominal Overall Diameter mm	Weight kg/100m
10REMC	10	4.5	19.5	60
16REMC	16	7.5	22	90
25REMC	25	12	25.6	130
35REMC	35	18	28.1	170
50REMC	50	30	31.6	220
70REMC	70	30	35.3	290
95REMC	95	48	39.9	390
120REMC	120	48	43.6	470
150REMC	150	75	48.8	590
185REMC	185	75	54.1	720
240REMC	240	105	60.8	930
300REMC	300	150	66.9	1160

Note: LSOH version available on request.

LAN Cables

LAN CABLE M@XLAN®



Category 6

Cable description:

Cat 6 - 1/0.57mm 24 AWG PACW, Polyolefin Insulated, Twisted Pair, Flame Retardant Low Smoke Sheath, ACMA and UL Listed. Nominal Impedance 100 ohm. Tested up to 250MHz, (Tested up to 600MHz on request). Velocity of propagation 67%. Grey Sheath.

	Code	No. Of Pairs	Description	Overall Diameter mm	Min. Bending Radius mm	Max. Pulling Tension N	Mass kg/km
Category6	L4P6	4	Unscreened	6.2	50	190	40

Std. Pack: 4 pair - 305m Box.

Category 6A

Cable description:

Cat 6A - 1/0.57mm 23 AWG PACW, Polyolefin Insulated, Twisted Pair, Flame Retardant Low Smoke Sheath, ACMA and UL Verified G Listed. Nominal Impedance 100 ohm. Tested up to 500MHz, (Tested up to 750MHz on request). Velocity of propagation 67%. Grey or Blue Sheath.

	Code	No. Of Pairs	Description	Overall Diameter mm	Min. Bending Radius mm	Max. Pulling Tension N	Mass kg/km
Category6A	L4P6A	4	Screened	7.3	60	180	68

Std. Pack: 4 pair - 305m Box.

Category 5E

Cable description:

Cat 5E - 1/0.5mm 24 AWG PACW, Polyolefin Insulated, Twisted Pair, Flame Retardant Low Smoke Sheath, ACMA and UL Verified. Nominal Impedance 100 ohm. Tested up to 100MHz, (Tested up to 450MHz on request). Velocity of propagation 67%. Blue Sheath.

	Code	No. Of Pairs	Description	Overall Diameter mm	Min. Bending Radius mm	Max. Pulling Tension N	Mass kg/km
Category5E	L4P5E	4	Unscreened	5.2	40	150	30.5

Std. Pack: 4 pair - 305m Box.

For Cat 3 (Category 3) LAN cables - please refer to the Prysmian M@XTEL Internal Telephone range which is now rated to Category 3. LAN Cable is also available in Low Smoke Zero Halogen Sheath.

OptiC@t5e - Hybrid Cable - 4x 2 x 0.5+2SM BBXS

Cable description:

Copper Pairs: Conductor: Bare Annealed copper wire, \varnothing 0.50 mm, Insulation: PE Insulation, Core Color: white/blue; white/orange; white/green; white/brown. Optical Unit: Tight buffer: Each fibre has a LSZH buffering, Strength Member: Aramid yarn, Sheath: Blue LSZH. Outer Sheath / Core Wrapping: Core wrapping: polyester tape, Outer sheath: Pebble white LSZH.

Copper Pairs				Optical Unit		Outer Sheath/ Core Wrapping	
Copper wire Diameter mm	Insulation Thickness mm	Insulation Diameter mm	Twist Pitch mm	Buffer Diameter mm	Sheath Diameter mm	Sheath Thickness	Cable Diameter
0.50 mm	Nominal 0.21 mm	0.92 \pm 0.05 mm	\leq 25	0.9 \pm 0.05 mm	2.5 \pm 0.1 mm	Nominal 0.6mm	6.1 \pm 0.2 mm

Cable weight approximate Kg/ km	Min. bending radius mm		Temperature Range °C			Flame Resistance
	Without Tension	Under Maximum Tension	Installation	Transport and Storage	Operation	
40	10 x Cable- \varnothing	15 x Cable- \varnothing	-15 -> +55	-40 -> +70	-30 -> +70	IEC60332-1

Electrical Characteristics								
Conductor DC resistance (20 °C)	Resistance Unbalance	Mean Characteristic Impedance	Mutual Capacitance	Insulation Resistance (20 \pm 5 °C, 500 VDC)	Propagation Delay	Delay skew	Velocity propagation	Dielectric Strength (1.5kV dc)
\leq 95 Ω /km	\leq 2%	100 Ω \pm 15 Ω (100MHz)	\leq 56 nF/Km	\geq 5000M Ω .km	\leq 534+36/sqrt(f) ns/100m	\leq 45 ns/100m	approx 67%	1kV DC 1min (core-core)

Transmission Characteristics for Copper Pair						
Frequency MHz	Attenuation dB/100m	NEXT dB/100m	PS-NEXT (only for \geq 4pairs) dB/ 100m	ELFEXT dB/ 100m	PS-ELFEXT (only for \geq 4pairs) dB/ 100m	Return Loss dB
	Max	Min	Min	Min	Min	
1	2.1	65	62	64	61	20
4	4.1	56	53	52	49	23
10	6.5	50	47	44	41	25
16	8.2	47	44	41	37	25
20	9.2	46	43	38	35	25
31.25	11.7	43	40	34	31	23.5
62.5	17.0	38	35	28	25	21.5
100	22.0	35	32	24	21	20.0

Optical Fibre

OPTICAL FIBRE DESCRIPTION

Single Mode (S) OS2 (G652.d)

Fibre Code	Fibre Size Core/Cladding (nom) μm	Outside Acrylate Coated mm	Effective Cable Cut-Off Wavelength nm	Attenuation dB/km (max) @				Mode Field Diameter @ 1310nm μm	Refractive Index (nom) @		Chromatic Dispersion ps/nm.km (max) @		
				1310 nm	1385 nm	1550 nm	1625 nm		1310 and 1382nm	1550 and 1625nm	1310 nm	1550 nm	1625 nm
S	9/125	0.25	1260	0.35	0.35	0.21	0.24	9.2	1.467	1.468	3.5	18	22

Tight Buffered Coating:

Core/Cladding Diameters (μm)		Coating Diameter (μm)	Attenuation dB/km (max) @	
			1310nm	1550nm
9/125	OS1/OS2	900	0.40	0.30

Multimode (M) OM1, OM3 & OM4

Fibre Code		Fibre Size Core/Cladding (nom) μm	Outside Acrylate Coated mm	Numerical Aperture (nom)	Attenuation dB/km (max) @		Overfilled Launch Bandwidth MHz.km (min) @		Refractive Index (nom) @	
					850nm	1300nm	850nm	1300nm	850nm	1300nm
M1	OM1	62.5/125	0.25	0.275	3.2	1.0	200	500	1.496	1.491
M3	OM3	50/125	0.25	0.200	2.5	0.7	1500*	500	1.482	1.477
M4	OM4	50/125	0.25	0.200	2.5	0.7	3500**	500	1.482	1.477

Tight Buffered Coating:

Fibre Code	Core/Cladding Diameters (μm)	Jacket Diameter (μm)	Attenuation dB/km (max) @		Overfilled Launch Bandwidth MHz.km (min) @	
			850nm	1300nm	850nm	1300nm
M1	62.5/125	900	3.5	1.0	200	500
M3	50/125	900	3.5	1.0	1500*	500
M4	50/125	900	3.5	1.0		

*Effective laser bandwidth 2000 MHz.km.

**Effective laser bandwidth 5000 MHz.km.

OPTICAL INDOOR - SM@RTPATCH™ CORD®

Prismian Optic Fibre Cords.

**Cable description:**

Tight Buffered fibre, reinforced with aramid yarns and sheathed with flame retardant PVC.

Indoor Single Fibre Simplex

Code	Description		OD mm	Mass kg/km	Min. Bend Radius mm	Max. Tensile Strength Install. kN	Operating Temp °C	Crush Resistance kN/100mm	Tight Jacket Coating Dia. µm
F1M1PAT	Simplex 2mm	OM1 1 core 62.5/125 Orange	2.0	3.6	30	0.1	0 to 60	0.5	900
F1SPAT	Simplex 2mm	S/M 1 core 9/125 Yellow	2.0	3.6	30	0.1	0 to 60	0.5	900
F1M1PAT24	Simplex	OM1 1 core 62.5/125 Orange	2.4	5.6	30	0.1	0 to 60	0.5	900
F1SPAT24	Simplex	S/M 1 core 9/125 Yellow	2.4	5.6	30	0.1	0 to 60	0.5	900

Std. Pack Size: 4km Drum & Cut to Size.

Indoor Figure 8 Zipcord

Code	Description		OD mm	Mass kg/km	Min. Bend Radius mm	Max. Tensile Strength Install. kN	Operating Temp °C	Crush Resistance kN/100mm	Tight Jacket Coating Dia. µm
F2M1Z1P	Zip-Cord 2mm	OM1 2 core 62.5/125 Orange	2.0 x 4.2	6.6	30	0.2	0 to 60	0.5	900
F2S21P	Zip-Cord 2mm	S/M 2 core 9/125 Yellow	2.0 x 4.2	6.6	30	0.2	0 to 60	0.5	900
F2M1Z1P24	Zip-Cord	M/M 2 core 62.5/125 Orange	2.4 x 5.0	11.0	30	0.2	0 to 60	0.5	900
F2S21P24	Zip-Cord	S/M 2 core 9/125 Yellow	2.4 x 5.0	11.0	30	0.2	0 to 60	0.5	900

Std. Pack Size: 4km Drum & Cut to Size.

OM3 and OM4 fibre types also available on request.

OPTICAL INDOOR/OUTDOOR

Light & Heavy Duty Riser.

**Cable description:**

Black UV Stabilised LSOH Sheath.

Features Tetracote for Easy Stripping, Tight Buffered 900 micron fibre, reinforced with water swellable aramid yarns and sheathed with Flame retardant, Low Smoke, Zero Halogen compound (LSOH). Black Sheath. Nylon jacket is an option.

Multimode OM1 Distribution

Code	Description	OD mm	Mass kg/km	Min. Bend Radius Full Load mm	Max. Tensile Strength Install. kN	Operating Temp °C	Crush Resistance kN/100mm (Short term)
F2M1IOR	Light Duty Riser M/M 2 fibre	5.8	28	120	0.6	-10 to 70	0.5
F4M1IOR	Light Duty Riser M/M 4 fibre	5.8	28	120	0.6	-10 to 70	0.5
F6M1IOR	Light Duty Riser M/M 6 fibre	6.2	33	125	0.6	-10 to 70	0.5
F8M1IOR	Light Duty Riser M/M 8 fibre	6.8	36	140	0.6	-10 to 70	0.5
F12M1IOR	Light Duty Riser M/M 12 fibre	7.2	41	145	0.6	-10 to 70	0.5
F24M1IOR	Light Duty Riser M/M 24 fibre	8.0	58	160	0.9	-10 to 70	0.5
F48M1IOR	Light Duty Riser M/M 48 fibre	10.5	96	210	1.2	-10 to 70	0.5

Singlemode OS2 Distribution

Code	Description	OD mm	Mass kg/km	Min. Bend Radius Full Load mm	Max. Tensile Strength Install. kN	Operating Temp °C	Crush Resistance kN/100mm
F6S1IOR	Light Duty Riser S/M 6 fibre	6.2	33	125	0.6	-10 to 70	0.5
F12S1IOR	Light Duty Riser S/M 12 fibre	7.2	41	145	0.6	-10 to 70	0.5
F24S1IOR	Light Duty Riser S/M 24 fibre	8.0	58	160	0.9	-10 to 70	0.5

Multimode OM1 Break Out

Code	Description	OD mm	Mass kg/km	Min. Bend Radius Full Load mm	Max. Tensile Strength Install. kN	Operating Temp °C	Crush Resistance kN/100mm
F4M1IOB	Heavy Duty Breakout M/M 4 fibre	8.0	80	180	0.7	-10 to 70	1.0
F6M1IOB	Heavy Duty Breakout M/M 6 fibre	8.0	80	180	0.7	-10 to 70	1.0
F8M1IOB	Heavy Duty Breakout M/M 8 fibre	9.9	95	200	1.2	-10 to 70	1.0
F12M1IOB	Heavy Duty Breakout M/M 12 fibre	12.5	150	250	1.2	-10 to 70	1.0

Singlemode OS2 Break Out

Code	Description	OD mm	Mass kg/km	Min. Bend Radius Full Load mm	Max. Tensile Strength Install. kN	Operating Temp °C	Crush Resistance kN/100mm
F2S1IOB	Heavy Duty Breakout S/M 2 fibre	8.0	82	180	0.7	-10 to 70	1.0

OM2 & OM3 fibre types also available for Riser and Breakout cables.

OPTICAL EXTERNAL LOOSE TUBE - SM@RTCORE®

SM@RTCORE® Range of external Loose Tube Cable

**Cable description:**

Featuring reduced diameter technology.

2 to 624 optical fibres in water blocked loose tubes, and solid polyethylene fillers (if needed), laid up around a Glass Reinforce Plastic (GRP) central strength member, Dry water blocked Interstices, taped, polyethylene overall sheath and integrally bonded nylon jacket. Blue Sheath.

Single Mode OS2 - SM@RTCORE®

Code	Description	OD mm	Mass kg/km	Min. Bend Radius Full Load mm	Max. Tensile Strength Install. kN	Operating Temp °C	Crush Resistance kN/100mm
F6SLTN	S/M 6 core Drycore Nylon	10.0	73	200	2.0	-10 to 70	2.0
F12SLTN	S/M 12 core Drycore Nylon	10.0	73	200	2.0	-10 to 70	2.0
F24SLTN	S/M 24 core Drycore Nylon	10.0	74	200	2.0	-10 to 70	2.0
F48SLTN	S/M 48 core Drycore Nylon	10.0	76	200	2.0	-10 to 70	2.0

Std. Pack Size: 2km & Cut to Size.

OPTICAL ADSS



ADSS - All Dielectric Self Supporting Aerial Optic Fibre Cable.

In order to determine your cable requirements, please supply the following data:

- Maximum Span (metres)
- Maximum Ice Load (mm)
- Maximum Wind Loading (km/hr)
- Every day sag (metres or %)

If Maximum Span only is supplied the following characteristics are assumed:

- 1% normal sag, maximum 100 km/hr wind speed and 5mm radial ice load

Metrosp@n® - 80 metre Span for Metropolitan Environments

80m Span - up to 60 fibres in water blocked loose tubes, dummy fillers (if needed), laid up around a Glass Reinforced Plastic (GRP) Central Strength Member, aramid yarns reinforced & polyethylene overall sheathed.

Code	Description	OD mm	Mass kg/km	Min. Bend Radius No Load mm	Min. Bend Radius Full Load mm	Max. Everyday Tension kN	Max. Working Tension kN	Operating Temp °C	Crush Resistance kN/100mm
F12SAD80	Singlemode 12 Core	10.8	80	300	400	0.8	4.2	-10° to +70°	2
F24SAD80	Singlemode 24 Core	10.8	80	300	400	0.8	4.2	-10° to +70°	2
F36SAD80	Singlemode 36 Core	10.8	80	300	400	0.8	4.2	-10° to +70°	2
F48SAD80	Singlemode 48 Core	10.8	80	300	400	0.8	4.2	-10° to +70°	2
F60SAD80	Singlemode 60 Core	10.8	80	300	400	0.8	4.2	-10° to +70°	2

Black UV Stabilised Sheath is standard. A Grey UV Resistant Sacrificial Sheath is available on request.

150 metre Short Span - Single Sheath

150m Span - up to 60 fibres in water blocked loose tubes, dummy fillers (if needed), laid up around a Glass Reinforced Plastic (GRP) Central Strength Member, polyethylene inner core tape, aramid yarns reinforced & polyethylene overall sheathed.

Code	Description	OD mm	Mass kg/km	Min. Bend Radius No Load mm	Min. Bend Radius Full Load mm	Max. Everyday Tension kN	Max. Working Tension kN	Operating Temp °C	Crush Resistance kN/100mm
F12SAD150	Singlemode 12 Core	10.5	76	300	400	1.4	4.1	-10 to +70	2
F24SAD150	Singlemode 24 Core	10.5	77	300	400	1.4	4.1	-10 to +70	2
F36SAD150	Singlemode 36 Core	10.5	79	300	400	1.4	4.1	-10 to +70	2
F48SAD150	Singlemode 48 Core	10.5	80	300	400	1.4	4.1	-10 to +70	2
F60SAD150	Singlemode 60 Core	10.5	81	300	400	1.4	4.1	-10 to +70	2

150 metre Short Span - Double Sheath

150m Span - up to 60 fibres in water blocked loose tubes, solid polyethylene fillers (if needed), laid up around a Glass Reinforced Plastic (GRP) Central Strength Member, polyethylene inner sheath, aramid yarns reinforced & polyethylene overall sheathed.

Code	Description	OD mm	Mass kg/km	Min. Bend Radius No Load mm	Min. Bend Radius Full Load mm	Max. Everyday Tension kN	Max. Working Tension kN	Operating Temp °C	Crush Resistance kN/100mm
F12SADD150	Singlemode 12 Core	13.5	13.5	400	500	1.3	5.5	-10 to +70	2
F24SADD150	Singlemode 24 Core	13.5	13.5	400	500	1.3	5.5	-10 to +70	2
F36SADD150	Singlemode 36 Core	13.5	13.5	400	500	1.3	5.5	-10 to +70	2
F48SADD150	Singlemode 48 Core	13.5	13.5	400	500	1.3	5.5	-10 to +70	2
F60SADD150	Singlemode 60 Core	13.5	13.5	400	500	1.3	5.5	-10 to +70	2

ADSS Cables also available in Multimode, higher fibre counts & Spans up to 500 metres.

Black UV Stabilised Sheath is standard. A Grey UV Resistant Sacrificial Sheath is available on request.

Telephone Cables

TELEPHONE INTERNAL/CAT 3 M@XTEL®



Cable description:

M@XTEL INTERNAL/Cat 3. 1/0.50 PACW, Polyethylene Insulated, Twisted Pair, Unit Construction, Polyester Core Wrapped, PVC Sheathed, ACMA Approved. Cream Coloured Sheath.

Code	Description	OD mm	Min. Bending Radius mm	Max. Pulling Tension N	Mass kg/km	Telstra Version for Approved Contractors Telstra Part No.	
0.5mm Unscreened Cat 3							
T2PI	Internal Telephone 1/0.50	2 pair	3.9	40	75	20	323/00165
T3PI	Internal Telephone 1/0.50	3 pair	4.8	50	110	27	323/00166
T6PI	Internal Telephone 1/0.50	6 pair	6.8	70	230	52	-
T10PI	Internal Telephone 1/0.50	10 pair	8.4	85	380	75	-
T25PI	Internal Telephone 1/0.50	25 pair	11.5	115	950	152	323/00167
T50PI	Internal Telephone 1/0.50	50 pair	15.8	160	1900	280	-
T100PI	Internal Telephone 1/0.50	100 pair	21.3	215	3800	540	323/00168

Std. Pack Size: T2PI & T3PI 305M and 500m Box - T6PI 500m Reel - T10PI-T100PI 500 & 1000m Drum.

ISDN/STATION M@XDN™



(Suitable for ISDN and DSL applications)

Cable description:

Internal Telephone Cable for 2 Mbit/s rate and 120 ohm @ 1 MHz.

1/0.5 PACW, Polyolefin Insulated, Twisted Pair, Aluminium/Laminate Screen with a 1/0.50mm Tinned Annealed Copper Drain Wire, LSOH Thermoplastic Sheathed, ACMA Approved. Off White Coloured Sheath.

Code	Description	OD mm	Min. Bending Radius mm	Max. Pulling Tension N	Mass kg/km	
ISDN/Station Cables						
T1PISDN	ISDN 1 1 pair	1/0.5 2M/Bit Primary Rate	4.5	50	40	24
T2PISDN	ISDN 2 2 pair	1/0.5 2M/Bit Primary Rate	4.9	60	75	31
T4PISDN	ISDN 4 4 pair	1/0.5 2M/Bit Primary Rate	7.2	100	150	53
T8PISDN	ISDN 8 8 pair	1/0.5 2M/Bit Primary Rate	8.9	130	300	82
T16PISDN	ISDN 16 16 pair	1/0.5 2M/Bit Primary Rate	12.2	180	600	142
T32PISDN	ISDN 32 32 pair	1/0.5 2M/Bit Primary Rate	16.2	235	1200	238

25 pair available on request. Larger Pair Counts available on request. Std. Pack Size: 250m Reel or Drum.

The above Internal Telephone Cables can be supplied with Low Smoke Zero Halogen Flame Retardant (LSOHFR) Sheath.

TELEPHONE EXTERNAL/CAT 3 M@XTEL®



Cable description:

Jelly Filled Category 3.

M@XTEL EXTERNAL/Cat 3 1/0.50 PACW, Polyethylene Insulated, Twisted Pair, Unit Construction, Jelly filled, Core Wrapped, PE Sheathed. ACMA Approved.

Code	Number Of Pairs	Overall Diameter mm	Min. Bending Radius mm	Max. Pulling Tension N	Mass kg/km
L25P30J	25	11.1	110	950	170
L50P30J	50	14.9	150	1900	320
L100P30J	100	20.2	200	3800	600

TELEPHONE EXTERNAL M@XTEL®



Cable description:

Jelly Filled.

Solid PACW, Cellular PE Insulated, Unit Twin Construction, Jelly Filled, Core wrapped, PE Sheathed. ACMA Approved.

Code	Number Of Pairs	Overall Diameter mm	Min. Bending Radius mm	Max. Pulling Tension N	Mass kg/km	Telstra Version for Approved Contractors Telstra Part No.
0.40 mm Conductor - Max Resistance 139.3 ohm/km, Max Capacitance Unbalance Pair to Pair 150pF/500m @ 800Hz						
T10P40PEJ	10	7.5	120	240	60	467/05021
T30P40PEJ	30	11.6	190	720	145	467/05023
T50P40PEJ	50	14.2	230	1200	225	467/05024
T100P40PEJ	100	19.3	310	2400	425	467/05026
0.64 mm Conductor - Max Resistance 56.4 ohm/km, Max Capacitance Unbalance Pair to Pair 150pF/500m @ 800Hz						
T10P64PEJ	10	10.2	165	600	115	-
T30P64PEJ	30	15.9	270	1800	300	-
T50P64PEJ	50	20.2	325	3100	485	-
T100P64PEJ	100	26.9	430	6200	915	-
0.90 mm Conductor - Max Resistance 27.9 ohm/km, Max Capacitance Unbalance Pair to Pair 150pF/500m @ 800Hz						
T10P90PEJ	10	13.4	220	1200	210	-
T30P90PEJ	30	21.8	350	3600	580	-
T50P90PEJ	50	27.7	450	6000	950	-
T100P90PEJ	100	36.0	580	12100	1760	-

Note:

1. Nylon jacket can be supplied as protection against ants and termites. (Code = N).
2. A Sacrificial Sheath is optional (Code = 5).
3. Moisture Barrier version available (Code = M).
4. Mutual Capacitance max 49 nF/km.

TELEPHONE TELSTRA

External Telephone Cable



Cable description:

External Telephone Cable - Telstra - For Approved Contractors Only.

Telstra Serial/ Item Number	Prysmian Material Code	Material Description	Number of Pairs	kg/ km	Min Bending Diameter mm	Overall Diameter mm	Standard Pack Length mm	Stock/ MTO	Nominal Drum Dimensions mm	Max Hauling Tension N
467/05021	5412055	CABLE, TEL EXT 10/0.40 CPFUT PE	10	60	120	7.5	1000	Stock	LW1 - 600/250/480	240
467/08121	5432763	CABLE, TEL EXT 10/0.40 CPFUT PEHJC	10	65	165	8.1	1000	Stock	LW1 - 600/250/480	240
467/05023	5412116	CABLE, TEL EXT 30/0.40 CPFUT PE	30	145	190	11.7	1000	Stock	LW2 - 750/250/600	720
467/08123	5432770	CABLE, TEL EXT 30/0.40 CPFUT PEHJC	30	160	245	12.2	1000	Stock	LW2 - 750/250/600	720
467/05024	5412123	CABLE, TEL EXT 50/0.40 CPFUT PE	50	225	230	14.2	1000	Stock	LW3 - 1000/350/600	1200
467/08124	5432787	CABLE, TEL EXT 50/0.40 CPFUT PEHJC	50	240	300	14.8	1000	Stock	LW3 - 1000/350/600	1200
467/05026	5412130	CABLE, TEL EXT 100/0.40 CPFUT PE	100	425	310	19.3	1000	Stock	LW4 - 1100/400/600	2400
467/08226	5432794	CABLE, TEL EXT 100/0.40 CPFUT MBHJC	100	465	400	20.0	1000	Stock	LW4 - 1100/400/600	2400
467/09226	5441178	CABLE, TEL EXT 100/0.40 CPFUT MBHJC (AIR TUBE)	100	495	440	21.9	1000	8 weeks	STEEL - 1200/600/1000	2400
467/07028	5412222	CABLE, TEL EXT 200/0.40 CPFUT MB	200	770	380	23.8	1000	Stock	STEEL - 1200/600/1000	4800
467/09228	5442083	CABLE, TEL EXT 200/0.40 CPFUT MBHJ (AIR TUBE)	200	850	520	25.8	1000	8 weeks	STEEL - 1200/600/1000	4800
467/07328	5414721	CABLE, TEL EXT 200/0.40 CPFUT MBHJS	200	860	525	26.2	500	8 weeks	STEEL - 1200/600/1000	4800
467/07030	5412239	CABLE, TEL EXT 400/0.40 CPFUT MB	400	1480	530	32.7	500	6 weeks	STEEL - 1600/800/900	9600
467/09230	5442069	CABLE, TEL EXT 400/0.40 CPFUT MBHJ (AIR TUBE)	400	1535	690	34.4	500	8 weeks	STEEL - 1800/1000/900	9600
467/07330	5414738	CABLE, TEL EXT 400/0.40 CPFUT MBHJS	400	1595	705	35.1	500	8 weeks	STEEL - 1800/1000/900	9600
467/07032	5412253	CABLE, TEL EXT 800/0.40 CPFUT MB	800	2915	750	46.6	100	6 weeks	STEEL - 2400/1400/1000	19200
467/07332	5414745	CABLE, TEL EXT 800/0.40 CPFUT MBHJS	800	3100	985	49.1	100	8 weeks	STEEL - 1800/1000/900	19200

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Telstra Serial/ Item Number	Prysmian Material Code	Material Description	Number of Pairs	kg/ km	Min Bending Diameter mm	Overall Diameter mm	Standard Pack Length mm	Stock/ MTO	Nominal Drum Dimensions mm	Max Hauling Tension N
467/08241	5432800	CABLE, TEL EXT 10/0.64 CPFUT MBHJC	10	145	230	11.4	1000	Stock	LW2 - 750/250/600	600
467/08243	5432817	CABLE, TEL EXT 30/0.64 CPFUT MBHJC	30	340	340	17.1	1000	Stock	LW3 - 1000/350/600	1800
467/08244	5432824	CABLE, TEL EXT 50/0.64 CPFUT MBHJC	50	540	430	21.4	1000	Stock	LW5 - 1250/450/600	3000
467/08246	5432831	CABLE, TEL EXT 100/0.64 CPFUT MBHJC	100	980	575	28.7	1000	Stock	STEEL - 1600/800/900	6100
467/09246	5442106	CABLE, TEL EXT 100/0.64 CPFUT MBHJC (AIR TUBE)	100	1006	600	29.9	1000	8 weeks	STEEL - 1600/800/900	6100
467/07048	5414813	CABLE, TEL EXT 200/0.64 CPFUT MB	200	1760	580	35.7	500	6 weeks	STEEL - 1800/1000/900	12200
467/09248	5442113	CABLE, TEL EXT 200/0.64 CPFUT MBHJ (AIR TUBE)	200	1825	750	37.4	1000	8 weeks	STEEL - 2000/1200/1000	12200
467/07348	5414882	CABLE, TEL EXT 200/0.64 CPFUT MBHJS	200	1885	760	38.1	500	8 weeks	STEEL - 2000/1200/1000	12200
467/07050	5414820	CABLE, TEL EXT 400/0.64 CPFUT MB	400	3520	830	51.4	500	6 weeks	STEEL - 2400/1200/1000	24500
467/09250	5442076	CABLE, TEL EXT 400/0.64 CPFUT MBHJ (AIR TUBE)	400	3615	1060	53.0	500	8 weeks	STEEL - 2400/1200/1000	24500
467/07350	5414899	CABLE, TEL EXT 400/0.64 CPFUT MBHJS	400	3715	1080	54.0	500	8 weeks	STEEL - 2400/1200/1000	24500
467/08261	5432848	CABLE, TEL EXT 10/0.90 CPFUT MBHJC	10	245	290	14.5	1000	Stock	LW3 - 1000/350/600	1200
467/08263	5432855	CABLE, TEL EXT 30/0.90 CPFUT MBHJC	30	640	460	22.9	500	6 weeks	STEEL - 1200/600/1000	3600
467/08264	5414943	CABLE, TEL EXT 50/0.90 CPFUT MBHJC	50	1025	580	29.0	500	6 weeks	STEEL - 1600/800/900	6000
467/08266	5414950	CABLE, TEL EXT 100/0.90 CPFUT MBHJC	100	1885	760	37.9	500	6 weeks	STEEL - 2000/1200/1000	12000

TELEPHONE AERIAL IB

Aerial IB - Integral Bearer Wire - Dry Core.

**Cable description:**

Solid PACW, Solid PE Insulated, Unit Twin Construction, Core wrapped, Al/Laminate Tape Screened plus Drain Wire, PE Sheathed, Integral Bearer Construction with High Tensile Galvanised Steel Bearer Wire. ACMA Approved. Black UV Stabilised Sheath.

Code	Number Of Pairs	Bearer Wire No./mm	Overall Diameter* mm	Min. Bending Radius mm	Max. Pulling** Tension N	Mass kg/km	Telstra Version for Approved Contractors Telstra Part No.
0.40 mm Conductor - Max Resistance 139 ohm/km, Max Capacitance Unbalance Pair to Pair 150pF/500m @ 800Hz							
T10P40IB	10 Quad	1/2.50	7.8	160	2000	115	465/05221
T50P40IB	50	1/2.50	13.9	280	2000	260	465/05224
T100P40IB	100	7/1.25	19.7	400	3500	510	465/05226
0.64 mm Conductor - Max Resistance 56.4 ohm/km, Max Capacitance Unbalance Pair to Pair 120pF/1000m @ 800Hz							
T10P64IB	10	1/2.50	10.4	210	2000	165	465/05241
T30P64IB	30	7/1.25	16.7	340	3500	390	465/05243
T50P64IB	50	7/1.25	21.0	420	3500	570	465/05244
T100P64IB	100	7/1.60	29.2	580	5800	1080	465/05246
0.90 mm Conductor - Max Resistance 27.9 ohm/km, Max Capacitance Unbalance Pair to Pair 150pF/500m @ 800Hz							
T10P90IB	10	1/2.50	12.0	240	2000	240	-
T30P90IB	30	7/1.25	20.6	420	3500	650	-
T50P90IB	50	7/1.60	27.8	560	5800	1050	-
T100P90IB	100	7/1.60	38.4	770	9000	1970	-

Note:

*O/D measured over sheath excluding bearer wire. Mutual Capacitance max 52 nF/km.

**Tensile applied to the bearer wire.

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TELEPHONE LEAD IN U/G M@XTEL®

Lead In Cables - Underground.



Cable description:

Solid PACW, Solid PE Insulated, PE Sheathed. Available with an optional Nylon Termite Resistant Jacket. ACMA Approved.

Telstra Serial/ Item Number	Prysmian Material Code	Material Description	Number of Pairs	kg/ km	Min Bending Diameter mm	Overall Diameter mm	Standard Pack Length mm	Stock Vs MTO	Nominal Drum Dimensions mm	Max Hauling Tension N
490/05023	5414776	CABLE, TEL LEAD-IN 2/0.40 PEIFLI PE	2	18.5	80	4.6	500	Stock	REELEX - 415/415/225 (MAGENTA)	50
490/08123	5432879	CABLE, TEL LEAD-IN 2/0.40 PEIFLI PEHJC	2	20	100	4.7	500	Stock	1/2 REEL (338/102/230), CRTN (340/340/245)	50
490/05741	5414790	CABLE, TEL LEAD-IN 2/0.64 PEILI PEIB	2	38	100	4.4	500	Stock	1/2 REEL (338/102/230), CRTN (340/340/245)	1000
490/08142	5432886	CABLE, TEL LEAD-IN 2/0.64MM CPFLI PEHJC	2	37	100	6.3	500	Stock	1/2 REEL (422/102/306), CRTN (435/435/320)	120
490/05024	5407211	CABLE, TEL LEAD-IN 5/0.40 PEIFLI PE	5	29	100	5.2	500	Stock	REELEX - 415/415/225 (MAGENTA)	120
490/08124	5432916	CABLE, TEL LEAD-IN 5/0.40 PEIFLI PEHJC	5	34	100	5.8	500	Stock	1/2 REEL (422/102/306), CRTN (435/435/320)	120

CONNECTING WIRE

Jumper Wire



Solid PACW, PVC Insulated, Max Resist 94.5, Capacitance Unbalance max 300/500m @ 800hz.

Code	Description	Number Of Wires	Overall Diameter mm	No./Dia. Wire mm	Max. Pulling Tension N	Mass kg/km	Telstra Version For Approved Contractors Telstra Part No.
CJMP2RDWH	Red-White	2 PACW	1.8	1/0.50	38	4.5	003/00250
CJMP2GRWH	Green-White	2 PACW	1.8	1/0.50	38	4.5	003/00249

