



## Versolex<sup>®</sup> Heavy Duty Single Core Flexible Cable



### Wire & Cable Specification

Construction	
Standard	AS/NZS 5000.1 and AS/NZS 1995
Voltage	0.6/1 kV
Conductor	Copper
Insulation	Flexible XLPE
Sheath	TPE
Pack Sizes	Cut to length

#### Characteristics

Flexibility	Operating Temperature	Water Immersion	Physical Toughness	Oils / Fuels / Solvents	Acids / Bases	Heat Environment	Environmental Exposure
Doesn't kink	Fixed -40°C to +90°C	Submersible to 500m	Durable and resistant to crush and abrasion	Resistant to common oils and solvents	Resistant to common acid and alkaline chemicals	Flame retardant Tested to IEC 60332.1 & AS/NZS 1660.5.6	Resistant to ozone and UV

#### Application

Versolex<sup>®</sup> single core power cables complement and substitute for low end PVC/PVC and high end EPR/CPE configurations in general purpose industrial, commercial, OEM and mining applications, including switchgear, welding, submersible and VSD.

#### Technical Information (Current Carrying Capacity – Fixed Installation)

Conductor Size mm <sup>2</sup>	Unenclosed				Enclosed	Buried Direct	Underground Ducts		Three Phase Voltage Drop mV/A.m	
	Spaced	Spaced	Spaced from Surface	Touching	Conduit in Air					
6	73	63	55	51	42	70	49	59	7.29	7.29
10	105	90	77	72	58	95	67	81	4.22	4.22
16	135	120	100	96	76	120	88	105	2.68	2.68
25	180	160	135	125	98	155	115	135	1.73	1.73
35	220	195	170	160	120	190	140	160	1.23	1.24
50	280	250	215	200	150	230	170	195	0.868	0.873
70	350	315	270	250	185	280	210	240	0.621	0.628
95	420	380	325	305	215	325	245	280	0.480	0.489
120	495	455	385	360	255	375	290	325	0.386	0.397
150	570	520	450	415	290	425	325	370	0.322	0.335
185	650	600	510	475	335	475	370	410	0.277	0.291
240	790	730	620	570	395	550	435	480	0.229	0.246
300	900	840	710	660	460	620	500	560	0.203	0.222
400	1090	1010	850	790	540	720	580	650	0.179	0.200
500	1270	1180	990	920	640	810	680	750	0.165	0.188
630	1490	1400	1150	1070	730	920	770	860	0.155	0.178

The values in this table have been obtained from AS/NZS 3008.1.2:1998 for typical New Zealand installation conditions of:-  
 Ambient Air Temperature 30°C  
 Soil Temperature 15°C  
 Soil Thermal Resistivity 1.2 K.m/W  
 Depth of Burial 0.5 m  
 For technical information regarding **Single Phase Current Carrying Capacity** please contact our Technical Team (06) 755 3838.

#### Item Codes

Codes available on next page.

**Head Office** Paraitē Road Bell Block New Plymouth New Zealand  
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## Item Codes

Material No.	Old Code	Area mm <sup>2</sup>	Sheath	Nom Dia mm	Gland Size A2 or A2F	Approx Mass kg/m
<b>Single Core</b>						
BDSR07AA001OMNA	4690	6 *	OG	7.4	20S/16	0.09
BDSR07AA001CXNA	9230	6 *	BK	7.4	20S/16	0.09
BDSX01AA001OMNA	1642	10	OG	8.6	20S	0.14
BDSX01AA001CXNA	3637	10	BK	8.6	20S	0.14
BDSX01AA001HTNA	2210	10	GNYE	8.6	20S	0.14
BDSX01AA001JBNA	3932	10	RD	8.6	20S	0.14
BDSX02AA001OMNA	4279	16	OG	9.8	20S	0.20
BDSX02AA001CXNA	1091	16	BK	9.8	20S	0.20
BDSX02AA001HTNA	3165	16	GNYE	9.8	20S	0.20
BDSX02AA001JBNA	9287	16	RD	9.8	20S	0.20
BDSX03AA001OMNA	7843	25	OG	11.3	20	0.30
BDSX03AA001CXNA	2239	25	BK	11.3	20	0.30
BDSX03AA001HTNA	4229	25	GNYE	11.3	20	0.30
BDSX03AA001JBNA	3139	25	RD	11.3	20	0.30
BDSX04AA001OMNA	1542	35	OG	12.5	20	0.39
BDSX04AA001CXNA	4065	35	BK	12.5	20	0.39
BDSX04AA001HTNA	5033	35	GNYE	12.5	20	0.39
BDSX04AA001JBNA	8171	35	RD	12.5	20	0.39
BDSX05AA001OMNA	5944	50	OG	14.1	25	0.54
BDSX05AA001CXNA	5426	50	BK	14.1	25	0.54
BDSX05AA001HTNA	6595	50	GNYE	14.1	25	0.54
BDSX05AA001JBNA	2018	50	RD	14.1	25	0.54
BDSX06AA001OMNA	2703	70	OG	16.2	25	0.75
BDSX06AA001CXNA	7045	70	BK	16.2	25	0.75
BDSX06AA001HTNA	7557	70	GNYE	16.2	25	0.75
BDSX06AA001JBNA	1500	70	RD	16.2	25	0.75
BDSX07AA001OMNA	6004	95	OG	18.1	25	0.99
BDSX07AA001CXNA	8513	95	BK	18.1	25	0.99
BDSX07AA001HTNA	8790	95	GNYE	18.1	25	0.99
BDSX07AA001JBNA	3395	95	RD	18.1	25	0.99
BDSE87AA001OMNA	8938	120	OG	20.6	32	1.25
BDSE87AA001CXNA	9871	120	BK	20.6	32	1.25
BDSE87AA001HTNA	9705	120	GNYE	20.6	32	1.25
BDSE88AA001OMNA	3295	150	OG	22.5	32	1.51
BDSE88AA001CXNA	9327	150	BK	22.5	32	1.51
BDSE89AA001OMNA	1052	185	OG	24.8	32	1.80
BDSE89AA001HTNA	3439	185	GNYE	24.8	32	1.80
BDSE90AA001OMNA	3600	240	OG	28.0	40	2.41
BDSE91AA001OMNA	6574	300 *	OG	30.8	40	2.92
BDSE91AA001CXNA	6406	300 *	BK	30.8	40	2.92
BDSE92AA001OMNA	9730	400 *	OG	35.5	50S	3.91
BDSE92AA001CXNA	5788	400 *	BK	35.5	50S	3.91
BDSE93AA001OMNA	9595	500 *	OG	40.0	50	5.00
BDSE94AA001OMNA	8156	630 *	OG	44.6	63S	6.33
BDSE94AA001CXNA	3939	630 *	BK	44.6	63S	6.33

\* Complies only to AS/NZS 5000.1

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