

XL

Flexible Rubber (Fixed Wiring)

0.6/1kV 90°C
Insulation X-90

Typical Applications


Flexible 90°C rubber power cable for indoor/outdoor fixed wiring applications including mains, sub-mains and final sub circuits on tray, ladder, in conduit or buried direct. Green Star compliant.



Standard Core Configuration

1C: 

2C+E:    

3C+E:     

4C+E:      

Other colours available on request

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX[®] XL-20 (X-90), Cross-Linked, Polyethylene.

Jacket Low-Friction E-RUBBER[®] N-30 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best Practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-15°C to +90°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228

AS/NZS 1660.5.1 IEC 60332-1

AS/NZS 1660.5.6

AS/NZS 3008.1

AS/NZS 3808

AS/NZS 5000.1



Size mm ²	Earth mm ²	Min. Bend Radius mm	Nom. Cond. OD mm	Nom. Ins. OD mm	Nom. EA Ins. OD mm	Nom. Cable OD mm	Current Rating amp	Approx. Wt. kg/km
1c6	-	22.3	3.0	4.4		7.4	46	92
1c10	-	25.3	4.0	5.4		8.4	64	134
1c16	-	28.3	5.0	6.4		9.4	85	190
1c25	-	33.4	6.2	8.1		11.1	114	281
1c35	-	36.9	7.4	9.2		12.3	141	373
1c50	-	41.9	8.8	10.8		14.0	178	511
1c70	-	48.1	10.6	12.8		16.0	225	726
1c95	-	53.9	12.3	14.5		18.0	271	902
1c120	-	61.9	14.5	17.0		20.6	322	1229
1c150	-	69.2	16.3	19.2		23.1	372	1556
1c185	-	75.7	18.0	21.3		25.2	427	1874
1c240	-	83.9	20.3	23.8		28.0	514	2395
1c300	-	91.9	22.5	26.2		30.6	591	3015
1c400	-	105.1	26.0	30.1		35.0	709	3882
1c500	-	116.8	29.2	33.7		38.9	821	4883
1c630	-	129.6	32.8	37.7		43.2	956	6110
2c1.5	1.5	30.5	1.5			10.2	23	139
2c2.5	2.5	34.0	2.0			11.3	30	187
2c4	4	36.8	2.5			12.3	40	239

Size <i>mm²</i>	Earth <i>mm²</i>	Min. Bend Radius <i>mm</i>	Nom. Cond. OD <i>mm</i>	Nom. Ins. OD <i>mm</i>	Nom. EA Ins. OD <i>mm</i>	Nom. Cable OD <i>mm</i>	Current Rating <i>amp</i>	Approx. Wt. <i>kg/km</i>
2c6	6	40.4	3.0			13.5	51	313
2c10	4	44.8	4.0			14.9	72	365
2c16	6	51.0	5.0			17.0	96	513
2c25	6	61.2	6.2			20.4	128	739
2c35	10	68.4	7.4			22.8	158	994
2c50	16	78.5	8.8			26.2	199	1360
3c1.5	1.5	32.7	1.5			10.9	19	152
3c2.5	2.5	36.7	2.0			12.2	26	205
3c4	4	39.7	2.5			13.2	34	269
3c6	6	43.8	3.0			14.6	43	358
3c10	4	47.7	4.0			15.9	61	465
3c16	6	54.5	5.0			18.2	81	664
3c25	6	65.7	6.2			21.9	108	959
3c35	10	73.5	7.4			24.5	135	1305
3c50	16	84.4	8.8			28.1	170	1805
3c70	25	99.4	10.6			33.1	214	2604
3c95	25	111.5	12.3			37.2	256	3215
3c120	35	128.0	14.5			42.7	303	4373
3c150	50	144.5	16.3			48.2	348	5614
3c185	70	159.7	18.0			53.2	396	6869
3c240	95	179.0	20.3			59.7	472	8851
4c1.5	1.5	35.4	1.5			11.8	19	180
4c2.5	2.5	39.8	2.0			13.3	26	244
4c4	4	43.3	2.5			14.4	34	323
4c6	6	47.9	3.0			16.0	43	432
4c10	4	52.5	4.0			17.5	61	576
4c16	6	60.2	5.0			20.1	81	832
4c25	6	72.8	6.2			24.3	108	1209
4c35	10	81.6	7.4			27.2	135	1644
4c50	16	94.7	8.8			31.6	170	2311
4c70	25	111.4	10.6			37.1	214	3327
4c95	25	125.6	12.3			41.9	256	4092
4c120	35	144.4	14.5			48.1	303	5604
4c150	50	162.9	16.3			54.3	348	7078
4c185	70	181.0	18.0			60.3	396	8792

Continuous current carrying capacities are calculated assuming 40° ambient temperature in free air, flexible unenclosed touching. For other installation methods, please refer to our current ratings table.

There is a +5% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

Conductor Comparison - TriCab versus Class 5 & 6 (approximate no. of wires)

Size <i>mm²</i>	50	70	95	120	150	185	240	300	400	500	630
TriCab	658	969	1216	1672	2052	2508	3256	4144	5368	6832	8784
Class5	378	342	465	587	734	905	1174	1468	1958	1710	2155
Class6	662	927	1258	1589	1987	1401	1817	2272			

Issue 19.0

