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

-40°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 IEC 60332-3-22
AS/NZS 3008.1
AS/NZS 3808
AS/NZS 5000.1

greenstar

Size *mm²*	Earth *mm²*	Min. Bend Radius *mm*	Nom. Cond. OD *mm*	Nom. Ins. OD *mm*	Nom. OD *mm*	Current Rating *amp*	Approx. Wt. *kg/km*
1c6	–	21.9	3.0	4.4	7.3	46	92
1c10	–	24.9	4.0	5.4	8.3	64	135
1c16	–	27.9	5.0	6.4	9.3	85	190
1c25	–	32.7	6.2	8.1	10.9	114	281
1c35	–	36.3	7.4	9.2	12.1	141	373
1c50	–	41.1	8.8	10.8	13.7	178	511
1c70	–	47.1	10.6	12.8	15.7	225	726
1c95	–	52.8	12.3	14.5	17.6	271	902
1c120	–	58.8	13.9	16.4	19.6	322	1144
1c150	–	63.6	15.1	17.9	21.2	372	1406
1c185	–	70.8	16.9	20.2	23.6	427	1623
1c240	–	78.0	18.9	22.4	26.0	514	2153
1c300	–	87.0	21.5	25.2	29.0	591	2720
1c400	–	97.8	24.5	28.6	32.6	709	3356
1c500	–	108.3	27.3	31.8	36.1	821	4010
1c630	–	118.8	30.2	35.1	39.6	956	5067
2c1.5	1.5	30.6	1.5	–	10.2	23	142
2c2.5	2.5	33.4	1.9	–	11.1	30	185
2c4	4	36.7	2.5	–	12.2	40	243
2c6	6	40.4	3.0	–	13.5	51	317
2c10	4	44.7	4.0	–	14.9	72	341
2c16	6	51.1	5.0	–	17.0	96	483
2c25	6	61.2	6.2	–	20.4	128	697
2c35	10	68.2	7.4	–	22.7	158	941
2c50	16	78.3	8.8	–	26.1	199	1294
3c1.5	1.5	32.7	1.5	–	10.9	19	155
3c2.5	2.5	36.1	1.9	–	12.0	26	205
3c4	4	39.8	2.5	–	13.3	34	272
3c6	6	43.8	3.0	–	14.6	43	362
3c10	4	47.7	4.0	–	15.9	61	438
3c16	6	54.5	5.0	–	18.2	81	628
3c25	6	65.8	6.2	–	21.9	108	911
3c35	10	73.4	7.4	–	24.5	135	1243
3c50	16	84.5	8.8	–	28.2	170	1728
3c70	25	99.5	10.6	–	33.1	214	2499
3c95	25	111.4	12.3	–	37.1	256	3071
3c120	35	124.8	13.9	–	41.6	303	3915

Size *mm²*	Earth *mm²*	Min. Bend Radius *mm*	Nom. Cond. OD *mm*	Nom. Ins. OD *mm*	Nom. OD *mm*	Current Rating *amp*	Approx. Wt. *kg/km*
3c150	50	136.2	15.1	–	45.4	348	4924
3c185	70	152.4	16.9	–	50.8	396	5894
3c240	95	168.0	18.9	–	56.0	472	7683
3c300	120	188.2	21.5	–	62.7	539	9722
4c1.5	1.5	35.5	1.5	–	11.8	19	197
4c2.5	2.5	39.2	1.9	–	13.1	26	260
4c4	4	43.5	2.5	–	14.5	34	345
4c6	6	48.0	3.0	–	16.0	43	456
4c10	4	52.6	4.0	–	17.5	61	547
4c16	6	60.3	5.0	–	20.1	81	794
4c25	6	72.8	6.2	–	24.3	108	1160
4c35	10	81.7	7.4	–	27.2	135	1581
4c50	16	94.6	8.8	–	31.5	170	2224
4c70	25	111.4	10.6	–	37.1	214	3210
4c95	25	125.8	12.3	–	41.9	256	3941
4c120	35	140.1	13.9	–	46.7	303	5049
4c150	50	153.3	15.1	–	51.1	348	6241
4c185	70	171.7	16.9	–	57.2	396	7561
4c240	95	189.7	18.9	–	63.2	472	9845
4c300	120	212.4	21.5	–	70.8	539	12463

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 mm²	50	70	95	120	150	185	240	300	400	500	630
TriCab	707	991	1344	1692	2124	2584	3344	4144	5488	6944	8736
Class5	400	356	485	614	765	994	1125	1530	2035	2546	3200
Class6	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020

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