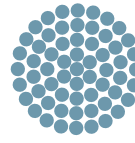
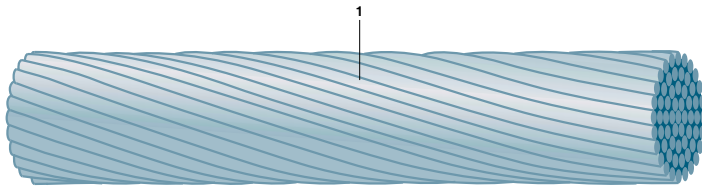


BARE ALL ALUMINIUM ALLOY CONDUCTORS (AAAC)



1. Stranded All Aluminium Alloy Conductor

DESCRIPTION	<p>All aluminium alloy conductors (AAAC) are manufactured to meet the latest revisions of the following specifications:</p> <p>ASTM B399 BS EN 50182 DIN 98201 IEC 61089</p> <p>Any other sizes and stranding will be manufactured by request according to any international or customer specifications.</p>
FEATURES	<p>AAAC conductors are, in many cases more profitable compared with ACSR conductors because of the many advantages they offer, when the conductivity of both conductors is the same, the AAAC conductor is recommended for the following reasons:</p> <ol style="list-style-type: none"> 1. Bigger loading capacity 2. Better short circuit resistance 3. Smaller electrical losses. 4. Lighter and easier to handle. 5. Better protection against corrosion. 6. Harder than the ACSR conductor and not easily scratched. 7. Simpler and more reliable joints.
APPLICATION	AAAC conductors are widely used in long-distance transmission lines designed to operate at extra voltage levels.
TO ORDER	Order by catalogue number, quantity and packaging required.

Note: In the interests of product improvement. GC3 reserve the right to alter cable specifications.

Catalogue No.	Conductor			Characteristics			Packaging	
	Cross Sectional Area Nominal (mm ²)	No. and nominal diameter of wires No. x mm	Overall Diameter Approx (mm)	Max DC Resistance at 20°C ohms/km	Ampacity amps	Calculated Breaking Load KN	Net weight Approx Kg/Km	Standard Packaging m±5%
Bare stranded conductor to DIN 48201-6								
UX-301I	16	7x1.70	5.1	2.0719	90	4.4	44	10000
UX-302I	25	7x2.10	6.42	1.3578	118	6.7	67	10000
UX-303I	35	7x2.50	7.56	0.9580	146	9.6	94	8000
UX-304I	50	7x3.00	9.0	0.6653	185	13.8	135	7000
UX-305I	50	19x1.80	9.0	0.6842	182	13.5	133	6000
UX-306I	70	19x2.10	10.70	0.5027	221	18.4	181	5000
UX-307I	95	19x2.50	12.60	0.3547	275	26.1	256	5000
UX-308I	120	19x2.80	14.10	0.2827	318	32.7	322	5000
UX-309I	150	37x2.25	15.75	0.2254	366	41.1	406	4000
UX-310I	185	37x2.50	17.64	0.1825	419	50.75	501	4000
UX-311I	240	61x2.25	20.25	0.1370	502	67.7	670	3000
UX-312I	300	61x2.50	22.68	0.1110	571	83.7	827	3000
UX-313I	400	61x2.89	26.01	0.0830	685	111.8	1105	2500
UX-314I	500	61x3.23	28.80	0.0665	784	139.7	1381	2000

Catalogue No.	Conductor					Characteristics			Packaging	
	Cross Sectional Area Nominal	Size Circular mils	Size AWG	No. and nominal diameter of wires	Overall Diameter Approx	Max DC Resistance at 20°C ohms/km	Ampacity amps	Calculated Breaking Load KN	Net weight Approx Kg/Km	Standard Packaging m±5%
	(mm ²)			No. x mm	(mm)					
Bare Stranded Conductor to ASTM:B-399/ASTM:B-399M										
IX-3260	33.65	66360	2	7X2.47	7.4	0.9946	128	10.7	93	8000
IX-3270	53.49	105600	1/0	7X3.12	9.3	0.6262	169	17.0	147	6000
IX-3280	67.45	133100	2/0	7X3.50	10.5	0.4966	199	20.5	185	5000
IX-3290	85.00	167800	3/0	7X3.93	11.8	0.3941	221	25.9	234	4000
IX-3300	107.30	211600	4/0	7X4.42	13.2	0.3123	255	32.7	296	2000
IX-3310	202.70	400000	--	19X3.69	18.4	0.1653	378	59.8	559	2000
IX-3320	228.00	450000	--	19X3.91	19.5	0.1469	405	67.3	629	2000
IX-3330	253.30	500000	--	19X4.12	20.6	0.1322	430	74.7	698	2000
IX-3340	278.60	550000	--	37X3.10	21.6	0.1202	456	83.9	768	2000
IX-3350	303.80	600000	--	37X3.23	22.6	0.1102	480	91.5	838	2000
IX-3360	329.10	650000	--	37X3.37	23.5	0.1018	505	99.1	907	2000
IX-3370	354.50	700000	--	37X3.49	24.4	0.0945	527	102.0	977	2000
IX-3380	380.20	750000	--	37X3.62	25.3	0.0881	549	110.0	1048	2000
IX-3390	405.10	800000	--	37X3.73	26.1	0.0827	570	117.0	1117	2000
IX-3400	456.30	900000	--	37X3.96	27.7	0.0734	610	132.0	1258	2000
IX-3410	506.70	1000000	--	37X4.18	29.2	0.0661	650	146.0	1397	2000

Catalogue No.	Conductor				Characteristics			Packaging	
	Cross Sectional Area Nominal	Code Word	No. and nominal diameter of wires	Overall Diameter Approx	Max DC Resistance at 20°C ohms/km	Ampacity amps	Calculated Breaking Load KN	Net weight Approx Kg/Km	Standard Packaging m±5%
	(mm ²)		No. x mm	(mm)					
Bare Stranded Conductor to BS EN 50182									
UX-3199	25	Almond	7x2.34	7.0	1.0940	135	8.4	82	8000
UX-3209	30	Cedar	7x2.54	7.6	0.9281	150	9.9	97	8000
UX-3209	40	Fir	7x2.95	8.8	0.6880	181	13.4	131	6000
UX-3219	50	Hazel	7x3.30	9.9	0.5498	208	16.8	164	6000
UX-3229	100	Oak	7x4.65	13.9	0.2769	320	33.3	325	2500
UX-3239	150	Ash	19x3.48	17.0	0.1830	418	50.6	497	4000
UX-3249	175	Elm	19x3.76	18.8	0.1568	460	59.1	580	3000
UX-3259	300	Upas	37x3.53	24.7	0.0916	663	101.5	997	3000