

ALL ALUMINIUM CONDUCTOR (AAC)

APPLICATION

All Aluminium Conductor are the favoured type for use on relatively short spans, particularly low and medium voltage distribution lines.

STANDARD

ASTM B 231
BDS 1036
IEC 61089

CONSTRUCTION

Conductor: Stranded Aluminium H14 to ASTM B 231



PHYSICAL DATA					TECHNICAL DATA			
Code Name	Total Area		No. of Strands & Diameter of Wire	Approx. Overall Diameter	Approx. weight of cable	Nominal Breaking Load	Maximum D.C resistance of conductor at 20 °C	Current rating at 35 °C ambient temp.
	AWG/MCM	mm ²						
ROSE	4	21.16	7/1.96	5.9	58	375	1.362	104
IRIS	2	33.61	7/2.47	7.4	92	574	0.8574	136
POPPY	1/0	53.48	7/3.12	9.4	148	846	0.539	180
ASTER	2/0	67.42	7/3.50	10.5	186	1066	0.4276	207
PHLOX	3/0	85.03	7/3.93	11.8	234	1291	0.339	237
OXLIP	4/0	107.2	7/4.42	13.3	296	1628	0.2688	273
VALERIAN	250	126.7	19/2.91	14.6	348	2044	0.2275	305
DAISY	266.8	135.2	7/4.96	14.9	373	2053	0.2133	313
PEONY	300	152	19/3.19	16.0	419	2404	0.1896	340
TULIP	336.4	170.5	19/3.38	16.9	470	2697	0.1692	364
DAFFODIL	350	177.4	19/3.45	17.3	490	2805	0.1625	373
GOLDENTUFT	450	228	19/3.91	19.6	629	3462	0.1264	432
COSMOS	477	242	19/4.02	20.1	665	3670	0.1193	447
ZINNIA	500	253	19/4.12	20.6	698	3847	0.1137	459
DAHLIA	556.5	282	19/4.35	21.8	779	4282	0.1023	489