

Armour Rod

Weight: 0.00kg

Dimensions: 0.00cm x 0.00cm x 0.00cm

Description

The PREFORMED™ **Armour Rods** are intended to protect conductors/strands against bending, compression, abrasion and arcover damage and to provide restorative repair.

The degree of protection needed on a specific line depends upon a number of factors, such as line design, temperature, tension, exposure to wind flow and vibration history on similar construction in the same area.

As a general guide the following recommendations may be adapted to the specific conditions:

- **Armour Rods** are recommended as minimum protection for clamp-type supports and suspensions.
- **Armour Rods** are recommended as minimum protection for hand tied spans of 90m or more.

PREFORMED™ **Armour Rods** may be used to restore full conductivity and mechanical strength to conductors/strands where damage does not exceed approximately 50% of the outer layer and when located at point of support or within the mid span area and is located within the centre third section of the repair fitting.

Features

Single and Double Support lengths available

Thermal Rating (Continuous) Within a high temperature Suspension Clamp 250°C, ACSS Repair 250°C, ACSR Repair 125°C.

Available PARROT-BILL ends to meet the corona onset and RIV requirements for most EHV applications.

PREFORMED™ **Armour Rods** are made of material compatible with the strand to which they are applied.

The lay direction must be the same as that of the outer stranding of the conductor to which it is applied.

Documentation

Application Procedures

[SP-2052 \(Armor Rods\)](#)

Preformed Line Products (GB) Ltd. Catalogue Pages

[Armor Rods - Transmission and Distribution Catalogue](#)

Corporate Catalogue Pages

[Armor Rods - Catalogue](#)

Reports & Manuals

[Overhead Distribution Line Repair Manual](#)

Part Tables

Preformed Line Products (GB) Ltd. Part Tables:

JOINTING, REPAIR AND PROTECTION

PREFORMED™ Armour Rods-Aluminium Alloy

CATALOGUE No.	CONDUCTOR DIAMETER		COLOUR CODE	LENGTH mm	RODS PER SET	ROD DIAMETER	APPROX WEIGHT KGS PER 100
	MIN	MAX					
AR0201201	3.38	3.60	WHITE	914	6	2.64	9
AR0201202	3.61	3.83	BROWN	914	6	2.64	9
AR0201203	3.84	4.08	ORANGE	914	6	2.64	9
AR0201204	4.09	4.36	GREEN	914	7	2.64	10
AR0201205	4.37	4.61	YELLOW	914	7	2.64	10
AR0201206	4.62	4.91	PURPLE	914	7	2.95	13
AR0201207	4.92	5.27	BLUE	1016	7	2.95	14
AR0201208	5.28	5.58	BLACK	1016	7	3.25	17
AR0201209	5.59	5.81	WHITE	1016	7	3.25	17
AR0201210	5.82	6.19	BROWN	1016	7	3.25	17
AR0201211	6.20	6.59	ORANGE	1016	7	3.66	21
AR0201212	6.60	6.95	GREEN	1067	7	3.66	23
AR0201213	6.96	7.36	YELLOW	1067	8	3.66	26
AR0201214	7.37	7.84	PURPLE	1067	8	3.66	26
AR0201215	7.85	8.30	RED	1118	8	3.66	27
AR0201216	8.31	8.80	BLUE	1168	9	3.66	32
AR0201217	8.81	9.31	BLACK	1219	9	3.66	33
AR0201218	9.32	9.90	WHITE	1270	10	3.66	38
AR0201219	9.91	10.51	YELLOW	1321	9	4.06	44
AR0201220	10.52	11.09	BROWN	1321	10	4.06	49
AR0201221	11.10	11.78	BLUE	1372	10	4.06	51
AR0201222	11.79	12.46	GREEN	1372	10	4.06	51
AR0201223	12.47	13.25	ORANGE	1422	11	4.06	58
AR0201224	13.26	14.01	PURPLE	1473	11	4.47	73
AR0201225	14.02	14.87	RED	1524	11	4.47	75
AR0201226	14.88	15.41	BLACK	1575	12	4.47	85
AR0201227	15.42	16.02	WHITE	1626	12	4.47	88
AR0201228	16.03	16.65	YELLOW	1626	12	4.88	104
AR0201229	16.66	17.26	BROWN	1676	12	4.88	108
AR0201230	17.27	17.87	BLUE	1727	12	4.88	111
AR0201231	17.88	18.81	GREEN	1829	12	5.38	143
AR0201232	18.82	19.88	ORANGE	1829	12	5.38	143
AR0201233	19.89	20.69	PURPLE	1930	11	6.40	196
AR0201234	20.70	21.48	RED	1930	11	6.40	196
AR0201235	21.49	23.05	BLUE	1981	12	6.40	219
AR0201236	23.06	23.61	GREEN	2032	12	6.40	225
AR0201237	23.62	24.81	WHITE	2235	13	6.40	268
AR0201238	24.82	25.82	YELLOW	2337	11	7.62	336
AR0201239	25.83	26.30	BROWN	2388	12	7.62	374
AR0201240	26.31	27.04	BLUE	2438	12	7.62	382
AR0201241	27.05	27.91	GREEN	2438	12	7.62	382
AR0201242	27.92	28.95	ORANGE	2540	12	8.23	464
AR0201243	28.96	29.51	PURPLE	2540	12	8.23	464
AR0201244	29.52	30.70	RED	2540	12	8.23	464

SUSPENSION AND SUPPORT

PREFORMED™ Armour Rods-Aluminium Alloy

CATALOGUE No.	CONDUCTOR DIAMETER mm		COLOUR CODE	LENGTH mm	RODS PER SET	ROD DIAMETER	APPROX WEIGHT KGS PER 100
	MIN	MAX					
AR0201245	30.71	32.25	BLACK	2540	12	8.84	535
AR0201246	32.26	33.72	WHITE	2540	12	9.27	612
AR0201247	33.73	35.32	YELLOW	2540	12	9.27	612
AR0201248	35.33	36.59	BROWN	2540	11	11.07	757
AR0201249	36.60	38.32	BLUE	2540	12	11.07	825
AR0201250	38.33	40.10	GREEN	2540	12	11.07	825
AR0201251	40.11	41.95	ORANGE	2540	13	11.07	894
AR0201252	41.96	43.91	PURPLE	2540	13	11.07	894
AR0201253	43.92	45.96	RED	2540	14	11.07	963
AR0201254	45.97	48.23	BLACK	2540	14	11.07	963
AR0201255	48.24	50.59	WHITE	2540	15	11.07	1031
AR0201256	50.60	53.10	YELLOW	2540	15	11.07	1031

For use on Aluminium Based Conductors

JOINTING, REPAIR AND PROTECTION

PREFORMED™ Armour Rods-Copper Alloy

CATALOGUE No.	CONDUCTOR DIAMETER mm		COLOUR CODE	LENGTH mm	RODS PER SET	ROD DIAMETER	APPROX WEIGHT KGS PER 100
	MIN	MAX					
AR0101001	3.43	3.65	BLACK	864	7	2.03	19
AR0101002	3.66	3.88	BLUE	914	7	2.34	27
AR0101003	3.89	4.05	GREY	965	7	2.34	28
AR0101004	4.06	4.28	GREEN	965	7	2.64	36
AR0101005	4.29	4.54	RED	1016	7	2.64	38
AR0101006	4.55	4.79	BLACK	1016	7	2.64	38
AR0101007	4.80	4.97	BLUE	1016	7	2.64	38
AR0101008	4.98	5.27	GREY	1016	8	2.64	43
AR0101009	5.28	5.53	GREEN	1016	8	2.64	43
AR0101010	5.54	5.73	RED	1016	8	2.64	43
AR0101011	5.74	6.01	BLACK	1016	8	2.64	43
AR0101012	6.02	6.34	BLUE	1067	9	2.64	51
AR0101013	6.35	6.69	GREY	1067	9	2.64	51
AR0101014	6.70	7.05	GREEN	1067	9	2.64	51
AR0101015	7.06	7.51	RED	1067	10	2.64	57
AR0101016	7.52	7.99	BLACK	1118	9	2.95	67
AR0101017	8.00	8.47	BLUE	1168	9	3.25	80
AR0101018	8.48	8.96	GREY	1219	9	3.25	87
AR0101019	8.97	9.46	GREEN	1270	10	3.25	101
AR0101020	9.47	9.97	RED	1321	9	3.66	119
AR0101021	9.98	10.38	BLACK	1321	10	3.66	132
AR0101022	10.39	10.81	BLUE	1372	10	3.66	137
AR0101023	10.82	11.44	GREY	1372	10	4.06	173
AR0101024	11.45	12.11	GREEN	1422	10	4.06	180
AR0101025	12.12	12.82	RED	1422	11	4.06	197
AR0101026	12.83	13.58	BLACK	1473	11	4.06	205
AR0101027	13.59	14.37	BLUE	1473	12	4.06	223
AR0101028	14.38	15.05	GREY	1524	12	4.06	230
AR0101029	15.06	15.89	GREEN	1524	13	4.06	250
AR0101030	15.90	16.93	RED	1575	12	4.47	291
AR0101031	16.94	17.82	BLACK	1575	13	4.47	316
AR0101032	17.83	18.68	BLUE	1626	13	4.47	326
AR0101033	18.69	19.49	GREY	1626	14	4.47	351
AR0101034	19.50	20.28	GREEN	1676	13	4.88	390
AR0101035	20.29	21.38	RED	1727	14	4.88	433
AR0101036	21.39	22.62	BLACK	1778	13	5.38	500
AR0101037	22.63	23.89	BLUE	1829	14	5.38	554
AR0101038	23.90	25.29	GREY	1880	14	5.89	683
AR0101039	25.30	26.81	GREEN	1930	14	5.89	701
AR0101040	26.82	28.46	RED	2032	14	6.40	868
AR0101041	28.47	30.14	BLACK	2083	15	6.40	954
AR0101042	30.15	31.97	BLUE	2134	14	7.01	1046
AR0101043	31.98	33.89	GREY	2184	14	7.62	1211
AR0101044	33.90	36.02	GREEN	2286	14	8.23	1412

For use on Copper Based Conductors

JOINTING, REPAIR AND PROTECTION

PREFORMED™ Armour Rods-Copper Covered Steel

CATALOGUE No.	CONDUCTOR DIAMETER mm		COLOUR CODE	LENGTH mm	RODS PER SET	ROD DIAMETER	APPROX WEIGHT KGS PER 100
	MIN	MAX					
ARO401601	3.43	3.65	ORANGE	864	7	2.03	17
ARO401602	3.66	3.88	YELLOW	914	7	2.34	24
ARO401603	3.89	4.05	BLACK	965	7	2.34	25
ARO401604	4.06	4.28	WHITE	965	7	2.64	32
ARO401605	4.29	4.54	RED	1016	7	2.64	34
ARO401606	4.55	4.79	BLUE	1016	7	2.64	34
ARO401607	4.80	4.97	GREEN	1016	7	2.64	34
ARO401608	4.98	5.27	GREY	1016	7	2.64	34
ARO401609	5.28	5.53	ORANGE	1016	8	2.64	39
ARO401610	5.54	5.73	RED	1016	8	2.64	39
ARO401611	5.74	6.01	BLACK	1016	8	2.64	39
ARO401612	6.02	6.34	BLUE	1067	9	2.64	45
ARO401613	6.35	6.69	YELLOW	1067	9	2.64	45
ARO401614	6.70	7.05	GREEN	1067	9	2.64	45
ARO401615	7.06	7.51	RED	1067	10	2.64	50
ARO401616	7.52	7.99	BLACK	1118	9	2.95	59
ARO401617	8.00	8.47	BLUE	1168	9	3.25	75
ARO401618	8.48	8.96	GREY	1219	9	3.25	79
ARO401619	8.97	9.46	GREEN	1270	10	3.25	91
ARO401620	9.47	9.97	RED	1321	9	3.66	108
ARO401621	9.98	10.38	YELLOW	1321	10	3.66	120
ARO401622	10.39	10.81	BLUE	1372	10	3.66	124
ARO401623	10.82	11.44	GREY	1372	10	4.06	154
ARO401624	11.45	12.11	ORANGE	1422	10	4.06	159
ARO401625	12.12	12.82	RED	1422	11	4.06	175
ARO401626	12.83	13.58	BLACK	1473	11	4.06	181
ARO401627	13.59	14.37	BLUE	1473	12	4.06	198
ARO401628	14.38	15.05	GREY	1524	12	4.06	205
ARO401629	15.06	15.89	GREEN	1524	13	4.06	222
ARO401630	15.90	16.93	RED	1575	12	4.47	274
ARO401631	16.94	17.82	BLUE	1575	13	4.47	296
ARO401632	17.83	18.68	GREEN	1626	13	4.47	306
ARO401633	18.69	19.49	ORANGE	1626	14	4.47	330
ARO401634	19.50	20.28	YELLOW	1676	14	4.47	340
ARO401635	20.29	21.38	BLACK	1727	15	4.47	375
ARO401636	21.39	22.62	WHITE	1804	14	5.38	454
ARO401637	22.63	23.89	RED	1829	15	5.38	501
ARO401638	23.90	25.29	BLUE	1880	14	5.89	606
ARO401639	25.30	26.81	GREEN	1930	15	5.89	666
ARO401640	26.82	28.46	ORANGE	2032	14	6.40	825
ARO401641	28.47	30.12	YELLOW	2083	15	6.40	907

For use on Copper Covered Steel Conductors

JOINTING, REPAIR AND PROTECTION

PREFORMED™ Armour Rods-Galvanised Steel

CATALOGUE No.	CONDUCTOR DIAMETER mm		COLOUR CODE	LENGTH mm	RODS PER SET	ROD DIAMETER	APPROX WEIGHT KGS PER 100
	MIN	MAX					
ARO301401	3.43	3.60	YELLOW	510	7	1.83	8
ARO301402	3.61	3.83	BLUE	530	7	1.83	9
ARO301403	3.84	4.08	BLACK	559	8	1.83	10
ARO301404	4.09	4.36	ORANGE	584	8	1.83	10
ARO301405	4.37	4.61	GREEN	610	8	2.03	13
ARO301406	4.62	4.92	RED	635	9	2.03	15
ARO301407	4.93	5.27	BLACK	660	9	2.03	16
ARO301408	5.28	5.60	GREEN	686	9	2.03	17
ARO301409	5.61	5.81	YELLOW	711	9	2.03	17
ARO301410	5.82	6.19	BLUE	737	9	2.34	24
ARO301411	6.20	6.59	ORANGE	762	9	2.34	25
ARO301412	6.60	6.95	GREEN	787	9	2.64	32
ARO301413	6.96	7.36	YELLOW	813	9	2.64	34
ARO301414	7.37	7.84	BLUE	838	10	2.64	38
ARO301415	7.85	8.30	BLACK	864	10	2.64	39
ARO301416	8.31	8.80	GREEN	889	11	2.64	44
ARO301417	8.81	9.49	BLUE	914	11	2.64	46
ARO301418	9.50	9.90	ORANGE	940	11	2.95	58
ARO301419	9.91	10.51	BLACK	965	11	2.95	60
ARO301420	10.52	11.09	YELLOW	991	12	2.95	67
ARO301421	11.10	11.78	GREEN	1016	12	3.25	84
ARO301422	11.79	12.46	ORANGE	1041	11	3.66	100
ARO301423	12.47	13.25	BLUE	1067	12	3.66	111
ARO301424	13.26	14.01	RED	1092	11	4.06	141
ARO301425	14.02	14.87	YELLOW	1118	12	4.06	145
ARO301426	14.88	15.76	GREEN	1143	12	4.47	178
ARO301427	15.77	16.53	BLACK	1168	12	4.47	183
ARO301428	16.54	17.87	BLUE	1194	12	4.88	222
ARO301429	17.88	18.99	ORANGE	1219	12	5.38	277
ARO301430	19.00	20.13	GREEN	1245	12	5.38	283

For use on Galvanised Steel Conductors

JOINTING, REPAIR AND PROTECTION

PREFORMED™ Armour Rods-Aluminium Covered Steel

CATALOGUE No.	CONDUCTOR DIAMETER mm		COLOUR CODE	LENGTH mm	RODS PER SET	ROD DIAMETER	APPROX WEIGHT KGS PER 100
	MIN	MAX					
AR0501801	3.43	3.65	RED	864	7	2.03	18
AR0501802	3.66	3.88	BLUE	914	7	2.34	19
AR0501803	3.89	4.05	GREEN	965	7	2.34	20
AR0501804	4.06	4.28	YELLOW	965	7	2.34	20
AR0501805	4.29	4.54	ORANGE	1016	7	2.64	26
AR0501806	4.55	4.79	BLACK	1016	7	2.64	26
AR0501807	4.80	4.97	RED	1016	7	2.64	26
AR0501808	4.98	5.27	BLACK	1016	7	2.64	26
AR0501809	5.28	5.53	BLUE	1016	8	2.64	30
AR0501810	5.54	5.73	GREEN	1016	8	2.64	30
AR0501811	5.74	6.01	ORANGE	1016	8	2.64	30
AR0501812	6.02	6.34	YELLOW	1016	9	2.64	34
AR0501813	6.35	6.69	BLACK	1067	8	2.95	40
AR0501814	6.70	7.05	BLUE	1067	9	2.95	45
AR0501815	7.06	7.51	WHITE	1118	9	2.95	47
AR0501816	7.52	7.99	BLACK	1168	9	2.95	49
AR0501817	8.00	8.47	RED	1219	10	2.95	57
AR0501818	8.48	8.96	YELLOW	1270	10	2.95	59
AR0501819	8.97	9.46	BLUE	1270	10	3.25	75
AR0501820	9.47	9.97	ORANGE	1270	10	3.25	75
AR0501821	9.98	10.38	GREEN	1321	11	3.25	85
AR0501822	10.39	10.81	YELLOW	1372	11	3.25	89
AR0501823	10.82	11.44	GREEN	1422	12	3.25	101
AR0501824	11.45	12.11	RED	1422	11	3.66	116
AR0501825	12.12	12.81	BLUE	1422	11	3.66	116
AR0501826	12.83	13.58	BLACK	1473	11	4.06	151
AR0501827	13.59	14.37	YELLOW	1473	12	4.06	164
AR0501828	14.38	15.05	GREEN	1524	11	4.62	200
AR0501829	15.06	15.89	BLACK	1524	11	4.62	200
AR0501830	15.90	16.93	BLUE	1575	11	5.18	258
AR0501831	16.94	17.82	RED	1575	11	5.18	260
AR0501832	17.83	18.68	BLUE	1626	12	5.18	292
AR0501833	18.69	19.49	GREEN	1626	12	5.18	294
AR0501834	19.50	20.28	ORANGE	1676	13	5.18	327
AR0501835	20.29	21.38	YELLOW	1727	13	5.18	334
AR0501836	21.39	22.62	BLACK	1804	14	5.18	371
AR0501837	22.63	23.89	WHITE	1829	15	5.18	409
AR0501838	23.90	25.29	RED	1880	15	5.18	419
AR0501839	25.30	26.80	BLUE	1930	15	5.89	544

For use on Aluminium Covered Steel Conductors