



# **PREFORMED**

## LINE PRODUCTS

### **CONDUCTOR FITTINGS**



**COMMUNICATIONS**



**ENERGY**



**SPECIAL INDUSTRIES**



**SOLAR**

**UK CONDUCTOR DATA BOOK**  
VERSION FIVE

Helical Products

**Conductor Fittings**

For Use on Standard UK Conductor Sizes





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**PREFORMED** LINE PRODUCTS

The connection you can count on.

## Introduction

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This data book lists PLP catalogue numbers of conductor armouring and repair fittings, conductor terminations and conductor ties, applicable to the seven main types of conductors used for overhead power transmission and distribution in the United Kingdom.

In addition there is a separate section at the end of this book dealing specifically with specially designed low voltage terminations and ties. These are designed around the concept of containment of failure.

Each section includes the following fittings:

**Conductor Armouring and Repair** – Armour Splices, Armour Rods, Repair Sleeves, Line Guards, Line Splices.

**Conductor Termination** – Conductor Dead-Ends, Distribution Grip Dead-Ends, Service Grip Dead-Ends.

**Conductor Ties** – Distribution Ties, Side Ties, Twin Grip Ties, Spool Ties.

Concentric Dead-Ends are listed separately in Section 6.

Low voltage containment of failure products are listed separately in Section 8.

To determine PLP fittings for conductors not in this data book, please consult our Transmission and Distribution Catalogue, or Sales Department at Andover.

## Ordering Information

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The lay direction of the outer stranding of the conductor (Bare Conductor) must always be stated.

### When ordering please specify:

- Quantity
- Catalogue Number
- Product Name
- Insulator Reference – where applicable
- Conductor: material
  - diameter
  - lay direction

**Deliveries** – All dates quoted are ex-works unless otherwise stated.

**Product Information** – Full product details are shown in the PLP Transmission and Distribution Catalogue.





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**Section 1**

**ACSR/SCA**

**Fittings for use on ACSR/SCA Stranded Conductors**

**ACSR/SCA Stranded Conductors**

Code Name	Nominal Aluminium Area mm <sup>2</sup>	Stranding and Wire Diameter		Overall Diameter mm
		Aluminium mm <sup>2</sup>	Steel mm <sup>2</sup>	
Mole	–	6/1.50	1/1.50	4.50
Squirrel	–	6/2.11	1/2.11	6.33
Gopher	25	6/2.36	1/2.36	7.08
Weasel	30	6/2.59	1/2.59	7.77
Fox	–	6/2.79	1/2.79	8.37
Ferret	40	6/3.00	1/3.00	9.00
Rabbit	50	6/3.35	1/3.35	10.05
Mink	–	6/3.66	1/3.66	10.98
Skunk	–	12/2.59	7/2.59	12.95
Beaver	–	6/3.99	1/3.99	11.97
Horse	70	12/2.79	7/2.79	13.95
Racoon	–	6/4.10	1/4.10	12.30
Otter	–	6/4.22	1/4.22	12.66
Cat	–	6/4.50	1/4.50	13.50
Hare	–	6/4.72	1/4.72	14.16
Dog	100	6/4.72	7/1.57	14.15
Hyena	–	7/4.39	7/1.93	14.57
Leopard	–	6/5.28	7/1.75	15.81
Coyote	–	26/2.54	7/1.91	15.89
Cougar	–	18/3.05	1/3.05	15.25
Tiger	–	30/2.36	7/2.36	16.52
Wolf	150	30/2.59	7/2.59	18.13
Dingo	150	18/3.35	1/3.35	16.75
Lynx	175	30/2.79	7/2.79	19.53
Caracal	175	18/3.61	1/3.61	18.05
Panther	200	30/3.00	7/3.00	21.00
Lion	–	30/3.18	7/3.18	22.26
Bear	–	30/3.35	7/3.35	23.45
Goat	–	30/3.71	7/3.71	25.97
Sheep	–	30/3.99	7/3.99	27.93
Antelope	–	54/2.97	7/2.97	26.73
Bison	–	54/3.00	7/3.00	27.00
Jaguar	200	18/3.86	1/3.86	19.30
Deer	–	30/4.27	7/4.27	29.89
Zebra	400	54/3.18	7/3.18	28.62
Elk	–	30/4.50	7/4.50	31.50
Camel	–	54/3.35	7/3.35	30.15
Moose	–	54/3.53	7/3.53	31.77

## Conductor Armouring and Repair

Armour Splice	Armour Rods	Repair Sleeve	Line Guard	Line Splice
AS 0602007	AR 0201205	RS 5303047	LG 2005605	LS 2406207
AS 0602015	AR 0201211	RS 5303065	LG 2005611	LS 2406215
AS 0602017	AR 0201213	RS 5303071	LG 2005613	LS 2406217
AS 0602020	AR 0201214	RS 5303079	LG 2005614	LS 2406220
AS 0602022	AR 0201216	RS 5303087	LG 2005616	LS 2406222
AS 0602024	AR 0201217	RS 5303093	LG 2005617	LS 2406224
AS 0602026	AR 0201219	RS 5303101	LG 2005619	LS 2406226
AS 0602029	AR 0201220	RS 5303113	LG 2005620	LS 2406229
AS 0602033	AR 0201223	RS 5303133	LG 2005623	LS 2406233
AS 0602031	AR 0201222	RS 5303122	LG 2005622	LS 2406231
AS 0602035	AR 0201224	RS 5303144	LG 2005624	LS 2406235
AS 0602032	AR 0201222	RS 5303128	LG 2005622	LS 2406232
AS 0602032	AR 0201223	RS 5303128	LG 2005623	LS 2406232
AS 0602034	AR 0201224	RS 5303138	LG 2005624	LS 2406234
AS 0602035	AR 0201225	RS 5303144	LG 2005625	LS 2406235
AS 0602035	AR 0201225	RS 5303144	LG 2005625	LS 2406235
AS 0602036	AR 0201225	RS 5303151	LG 2005625	LS 2406236
AS 0602038	AR 0201227	RS 5303164	LG 2005627	LS 2406238
AS 0602038	AR 0201227	RS 5303164	LG 2005627	LS 2406238
AS 0602037	AR 0201226	RS 5303157	LG 2005626	LS 2406237
AS 0602039	AR 0201228	RS 5303171	LG 2005628	LS 2406239
AS 0602041	AR 0201231	RS 5303185	LG 2005631	LS 2406241
AS 0602039	AR 0201229	RS 5303171	LG 2005629	LS 2406239
AS 0602043	AR 0201232	RS 5303201	LG 2005632	LS 2406243
AS 0602041	AR 0201231	RS 5303185	LG 2005631	LS 2406241
AS 0602045	AR 0201234	RS 5303216	LG 2005633	LS 2406245
AS 0602046	AR 0201235	RS 5303225	LG 2005634	LS 2406246
AS 0602047	AR 0201236	RS 5303236	LG 2005635	LS 2406247
AS 0602050	AR 0201239	RS 5303267	LG 2005638	LS 2406250
AS 0602052	AR 0201242	RS 5303289	LG 2005640	LS 2406252
AS 0602051	AR 0201240	RS 5303277	LG 2005638	LS 2406251
AS 0602051	AR 0201240	RS 5303277	LG 2005638	LS 2406251
AS 0602042	AR 0201232	RS 5303193	LG 2005632	LS 2406242
AS 0602053	AR 0201244	RS 5303301	LG 2005641	LS 2406253
AS 0602052	AR 0201242	RS 5303289	LG 2005640	LS 2406252
AS 0602055	AR 0201245	RS 5303330	LG 2005642	LS 2406255
AS 0602054	AR 0201244	RS 5303313	LG 2005641	LS 2406254
AS 0602055	AR 0201245	RS 5303330	LG 2005642	LS 2406255

**Conductor Ties – 1** For use on Construction up to 11kV

Insulators = 78mm Neck Dia. 22mm Groove Dia.

Code Name	Distribution Tie	Double Distribution Tie	Groove Formed Side Tie	Angle Tie
Mole	–	–	–	–
Squirrel	DT 5070718	DDT 5070718	GFST 5080718	AT 5000718
Gopher	DT 5070720	DDT 5070720	GFST 5080720	AT 5000720
Weasel	DT 5070720	DDT 5070720	GFST 5080720	AT 5000720
Fox	DT 5070722	DDT 5070722	GFST 5080722	AT 5000722
Ferret	DT 5070722	DDT 5070722	GFST 5080722	AT 5000722
Rabbit	DT 5070724	DDT 5070724	GFST 5080724	AT 5000724
Mink	DT 5070726	DDT 5070726	GFST 5080726	AT 5000726
Skunk	DT 5070728	DDT 5070728	GFST 5080728	AT 5000728
Beaver	DT 5070728	DDT 5070728	GFST 5080728	AT 5000728
Horse	DT 5070730	DDT 5070730	GFST 5080730	AT 5000730
Racoon	DT 5070728	DDT 5070728	GFST 5080728	AT 5000728
Otter	DT 5070728	DDT 5070728	GFST 5080728	AT 5000728
Cat	DT 5070730	DDT 5070730	GFST 5080730	AT 5000730
Hare	DT 5070730	DDT 5070730	GFST 5080730	AT 5000730
Dog	DT 5070730	DDT 5070730	GFST 5080730	AT 5000730
Hyena	DT 5070730	DDT 5070730	GFST 5080730	AT 5000730
Leopard	DT 5070732	DDT 5070732		
Coyote	DT 5070732	DDT 5070732		
Cougar	DT 5070732	DDT 5070732		
Tiger	DT 5070732	DDT 5070732		
Wolf	DT 5070734	DDT 5070734		
Dingo	DT 5070732	DDT 5070732		
Lynx	DT 5070736	DDT 5070736		
Caracal	DT 5070734	DDT 5070734		
Panther	DT 5070736	DDT 5070736		
Lion	DT 5070738	DDT 5070738		
Bear	DT 5070738	DDT 5070738		
Goat	DT 5070740	DDT 5070740		
Sheep	DT 5070742	DDT 5070742		
Antelope	DT 5070740	DDT 5070740		
Bison	DT 5070740	DDT 5070740		
Jaguar	DT 5070736	DDT 5070736		
Deer	DT 5070742	DDT 5070742		
Zebra	DT 5070742	DDT 5070742		
Elk	DT 5070742	DDT 5070742		
Camel	DT 5070742	DDT 5070742		
Moose	–	–		

**Insulators**

45mm Neck Dia.  
19mm Groove Dia.

**Groove Formed Side Tie**

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–	The overall diameter of conductor and protective pad is now too large to fit into the side/top groove of the Standard 11kV British Insulator. For larger top grooved 11kV insulators, ranges below black bar are listed.		
GFST 5080118			
GFST 5080120			
GFST 5080120			
GFST 5080122			
GFST 5080122			

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**Conductor Ties – 2** For use on Construction up to 33kV

Insulators = 120mm Neck Dia. 32mm Groove Dia.

Code Name	Distribution Tie	Double Distribution Tie	Groove Formed Side Tie	Angle Tie
Mole	–	–	–	–
Squirrel	DT 5071418	DDT 5071418	GFST 5081418	AT 5001418
Gopher	DT 5071420	DDT 5071420	GFST 5081420	AT 5001420
Weasel	DT 5071420	DDT 5071420	GFST 5081420	AT 5001420
Fox	DT 5071422	DDT 5071422	GFST 5081422	AT 5001422
Ferret	DT 5071422	DDT 5071422	GFST 5081422	AT 5001422
Rabbit	DT 5071424	DDT 5071424	GFST 5081424	AT 5001424
Mink	DT 5071426	DDT 5071426	GFST 5081426	AT 5001426
Skunk	DT 5071428	DDT 5071428	GFST 5081428	AT 5001428
Beaver	DT 5071428	DDT 5071428	GFST 5081428	AT 5001428
Horse	DT 5071430	DDT 5071430	GFST 5081430	AT 5001430
Racoon	DT 5071428	DDT 5071428	GFST 5081428	AT 5001428
Otter	DT 5071428	DDT 5071428	GFST 5081428	AT 5001428
Cat	DT 5071430	DDT 5071430	GFST 5081430	AT 5001430
Hare	DT 5071430	DDT 5071430	GFST 5081430	AT 5001430
Dog	DT 5071430	DDT 5071430	GFST 5081430	AT 5001430
Hyena	DT 5071430	DDT 5071430	GFST 5081430	AT 5001430
Leopard	DT 5071432	DDT 5071432	GFST 5081432	AT 5001432
Coyote	DT 5071432	DDT 5071432	GFST 5081432	AT 5001432
Cougar	DT 5071432	DDT 5071432	GFST 5081432	AT 5001432
Tiger	DT 5071432	DDT 5071432	GFST 5081432	AT 5001432
Wolf	DT 5071434	DDT 5071434	GFST 5081434	AT 5001434
Dingo	DT 5071432	DDT 5071432	GFST 5081432	AT 5001432
Lynx	DT 5071436	DDT 5071436	GFST 5081436	AT 5001436
Caracal	DT 5071434	DDT 5071434	GFST 5081434	AT 5001434
Panther	DT 5071436	DDT 5071436	GFST 5081436	AT 5001436
Lion	DT 5071438	DDT 5071438	GFST 5081438	AT 5001438
Bear	DT 5071438	DDT 5071438		
Goat	DT 5071440	DDT 5071440		
Sheep	DT 5071442	DDT 5071442		
Antelope	DT 5071440	DDT 5071440		
Bison	DT 5071440	DDT 5071440		
Jaguar	DT 5071436	DDT 5071436		
Deer	DT 5071442	DDT 5071442		
Zebra	DT 5071442	DDT 5071442		
Elk	DT 5071442	DDT 5071442		
Camel	DT 5071442	DDT 5071442		
Moose	–	–		

**Insulators**

120mm Neck Dia.  
33mm Groove Dia.

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The overall diameter of conductor and protective pad is now too large to fit into the side/top groove of the Standard 33kV British Insulator. For larger top grooved 33kV insulators, ranges below black bar are listed.



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Section 2

**Aluminium Alloy**

**Fittings for use on Aluminium Alloy Stranded Conductors**

## Aluminium Alloy Stranded Conductors

Code Name	Nominal Aluminium Area	Stranding and Wire Diameter	Overall Diameter
	mm <sup>2</sup>	mm	mm
–	–	7/1.47	4.41
Box	18.8	7/1.85	5.55
Acacia	23.8	7/2.08	6.24
Almond	25	7/2.34	7.02
Cedar	30	7/2.54	7.62
Deodar	–	7/2.77	8.31
Fir	40	7/2.95	8.85
Hazel	50	7/3.30	9.90
Pine	–	7/3.61	10.83
Holly	–	7/3.91	11.73
Willow	–	7/4.04	12.12
–	–	7/4.19	12.57
–	–	7/4.45	13.35
Oak	100	7/4.65	13.95
–	–	19/2.82	14.10
Mulberry	–	19/3.18	15.90
Ash	150	19/3.48	17.40
Elm	175	19/3.76	18.80
Poplar	–	37/2.87	20.09
–	–	37/3.05	21.35
Sycamore	–	37/3.23	22.61
Upas	300	37/3.53	24.71
–	–	37/3.81	26.67
Yew	–	37/4.06	28.42
Totara	425	37/4.14	28.98
Rubus	500	61/3.50	31.50
Sorbus	570	61/3.71	33.39
Araucaria	700	61/4.14	37.26
Redwood	850	61/4.56	40.94

## Conductor Armouring and Repair

Armour Splice	Armour Rods	Repair Sleeve	Line Guard	Line Splice
AS 0602006	AR 0201205	RS 5303045	LG 2005605	LS 2406206
AS 0602011	AR 0201208	RS 5303056	LG 2005608	LS 2406211
AS 0602014	AR 0201211	RS 5303063	LG 2005611	LS 2406214
AS 0602017	AR 0201213	RS 5303071	LG 2005613	LS 2406217
AS 0602020	AR 0201214	RS 5303079	LG 2005614	LS 2406220
AS 0602022	AR 0201216	RS 5303087	LG 2005616	LS 2406222
AS 0602023	AR 0201217	RS 5303089	LG 2005617	LS 2406223
AS 0602026	AR 0201218	RS 5303101	LG 2005618	LS 2406226
AS 0602029	AR 0201220	RS 5303113	LG 2005620	LS 2406229
AS 0602030	AR 0201221	RS 5303118	LG 2005621	LS 2406230
AS 0602031	AR 0201222	RS 5303122	LG 2005622	LS 2406231
AS 0602032	AR 0201223	RS 5303128	LG 2005623	LS 2406232
AS 0602034	AR 0201224	RS 5303138	LG 2005624	LS 2406234
AS 0602035	AR 0201224	RS 5303144	LG 2005624	LS 2406235
AS 0602035	AR 0201225	RS 5303144	LG 2005625	LS 2406235
AS 0602038	AR 0201227	RS 5303164	LG 2005627	LS 2406238
AS 0602040	AR 0201230	RS 5303178	LG 2005630	LS 2406240
AS 0602042	AR 0201231	RS 5303193	LG 2005631	LS 2406242
AS 0602043	AR 0201233	RS 5303201	LG 2005632	LS 2406243
AS 0602045	AR 0201234	RS 5303216	LG 2005633	LS 2406245
AS 0602047	AR 0201235	RS 5303236	LG 2005634	LS 2406247
AS 0602049	AR 0201237	RS 5303256	LG 2005636	LS 2406249
AS 0602050	AR 0201240	RS 5303267	LG 2005638	LS 2406250
AS 0602052	AR 0201242	RS 5303289	LG 2005640	LS 2406252
AS 0602053	AR 0201243	RS 5303301	LG 2005640	LS 2406253
AS 0602055	AR 0201245	RS 5303330	LG 2005642	Available on request
AS 0602056	AR 0201246	RS 5303343	LG 2005643	
AS 0602058	AR 0201249	RS 5303373	LG 2005646	
AS 0602061	AR 0201251	RS 5326421	LG 2005648	

## Conductor Terminations

Code Name	Conductor Dead End	Distribution Grip Dead End	Service Grip Dead End	Concentric Dead End
–	CDE 0902606	–	SDE 5005401	Listed separately under Concentric Cable.
Box	CDE 0902611	DDE 5011712	SDE 5005402	
Acacia	CDE 0902614	DDE 5011713	SDE 5005403	
Almond	CDE 0902617	DDE 5011714	SDE 5005404	
Cedar	CDE 0902620	DDE 5011715	SDE 5005405	
Deodar	CDE 0902622	DDE 5011716	SDE 5005406	
Fir	CDE 0902623	DDE 5011716	SDE 5005406	
Hazel	CDE 0902626	DDE 5011717	SDE 5005407	
Pine	CDE 0902629	DDE 5011718	SDE 5005408	
Holly	CDE 0902630	DDE 5011719	SDE 5005409	
Willow	CDE 0902631	DDE 5011719	SDE 5005409	
–	CDE 0902632	DDE 5011719	SDE 5005409	
–	CDE 0902634	DDE 5011720	SDE 5005410	
Oak	CDE 0902635	DDE 5011720	SDE 5005410	
–	CDE 0902635	DDE 5011720	SDE 5005410	
Mulberry	CDE 0902638	DDE 5011721	Available on request	
Ash	CDE 0902640	DDE 5011722		
Elm	CDE 0902642	DDE 5011723		
Poplar	Available on request	DDE 5011723		
–		DDE 5011724		
Sycamore		DDE 5011724		
Upas		DDE 5011725		
–		DDE 5011725		
Yew		DDE 5011726		
Totara				
Rubus				
Sorbus				
Araucaria				
Redwood				

**Conductor Ties – 1** For use on Construction up to 11kV

**Insulators = 78mm Neck Dia. 22mm Groove Dia.**

Distribution Tie	Double Distribution Tie	Groove Formed Side Tie	Angle Tie
–	–	–	–
DT 5070716	DDT 5070716	GFST 5080716	AT 5000716
DT 5070718	DDT 5070718	GFST 5080718	AT 5000718
DT 5070718	DDT 5070718	GFST 5080718	AT 5000718
DT 5070720	DDT 5070720	GFST 5080720	AT 5000720
DT 5070722	DDT 5070722	GFST 5080722	AT 5000722
DT 5070722	DDT 5070722	GFST 5080722	AT 5000722
DT 5070724	DDT 5070724	GFST 5080724	AT 5000724
DT 5070726	DDT 5070726	GFST 5080726	AT 5000726
DT 5070728	DDT 5070728	GFST 5080728	AT 5000728
DT 5070728	DDT 5070728	GFST 5080728	AT 5000728
DT 5070728	DDT 5070728	GFST 5080728	AT 5000728
DT 5070730	DDT 5070730	GFST 5080730	AT 5000730
DT 5070730	DDT 5070730	GFST 5080730	AT 5000730
DT 5070730	DDT 5070730	GFST 5080730	AT 5000730

**Conductor Ties – 1** For use on Construction up to 11kV

**Code Name**

**Insulators**

78mm Neck Dia.  
22mm Groove Dia.

**Insulators**

45mm Neck Dia.  
19mm Groove Dia.

**Groove Formed Side Tie**

–	–	
Box	GFST 5080116	The overall diameter of conductor and protective pad is now too large to fit into the side/top groove of the Standard 11kV British Insulator. For larger top grooved 11kV insulators, ranges below black bar are listed.
Acacia	GFST 5080118	
Almond	GFST 5080118	
Cedar	GFST 5080120	
Deodar	GFST 5080122	
Fir	GFST 5080122	
Hazel	GFST 5080124	
Pine		
Holly		
Willow		
–		
–		
Oak		
–		
Mulberry		
Ash		
Elm		
Poplar		
–		
Sycamore		
Upas		
–		
Yew		
Totara		
Rubus		
Sorbus		
Araucaria		
Redwood		



**Conductor Ties – 2** For use on Construction up to 33kV

Insulators = 120mm Neck Dia. 33mm Groove Dia.

Code Name	Distribution Tie	Double Distribution Tie	Groove Formed Side Tie	Angle Tie
–	–	–	–	–
Box	DT 5071416	DDT 5071416	GFST 5081416	AT 5001416
Acacia	DT 5071418	DDT 5071418	GFST 5081418	AT 5001418
Almond	DT 5071418	DDT 5071418	GFST 5081418	AT 5001418
Cedar	DT 5071420	DDT 5071420	GFST 5081420	AT 5001420
Deodar	DT 5071422	DDT 5071422	GFST 5081422	AT 5001422
Fir	DT 5071422	DDT 5071422	GFST 5081422	AT 5001422
Hazel	DT 5071424	DDT 5071424	GFST 5081424	AT 5001424
Pine	DT 5071426	DDT 5071426	GFST 5081426	AT 5001426
Holly	DT 5071428	DDT 5071428	GFST 5081428	AT 5001428
Willow	DT 5071428	DDT 5071428	GFST 5081428	AT 5001428
–	DT 5071428	DDT 5071428	GFST 5081428	AT 5001428
–	DT 5071430	DDT 5071430	GFST 5081430	AT 5001430
Oak	DT 5071430	DDT 5071430	GFST 5081430	AT 5001430
–	DT 5071430	DDT 5071430	GFST 5081430	AT 5001430
Mulberry	DT 5071432	DDT 5071432	GFST 5081432	AT 5001432
Ash	DT 5071434	DDT 5071434	GFST 5081434	AT 5001434
Elm	DT 5071434	DDT 5071434	GFST 5081434	AT 5001434
Poplar	DT 5071436	DDT 5071436	GFST 5081436	AT 5001436
–	DT 5071436	DDT 5071436	GFST 5081436	AT 5001436
Sycamore	DT 5071438	DDT 5071438		
Upas	DT 5071440	DDT 5071440		
–	DT 5071440	DDT 5071440		
Yew	DT 5071442	DDT 5071442		
–				
Totara	DT 5071442	DDT 5071442		
Rubus	DT 5071442	DDT 5071442		
Sorbus				
Araucaria				
Redwood				

The overall diameter of conductor and protective pad is now too large to fit into the side/top groove of the Standard 33kV British Insulator. For larger top grooved 33kV insulators, ranges below black bar are listed.



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**Section 3**

**Aluminium**

**Fittings for use on All Aluminium Stranded Conductors**

## All Aluminium Alloy Stranded Conductors

Code Name	Nominal Aluminium Area	Stranding and Wire Diameter	Overall Diameter
	mm <sup>2</sup>	mm	mm
Midge	22	7/2.06	6.2
Aphis	25	3/3.35	7.2
Gnat	–	7/2.21	6.6
Weevil	30	3/3.66	7.9
Mosquito	35	7/2.59	7.8
Ladybird	40	7/2.79	8.4
Ant	50	7/3.10	9.3
Fly	60	7/3.40	10.2
Bluebottle	70	7/3.66	11.0
Earwig	75	7/3.78	11.4
Grasshopper	80	7/3.91	11.7
Clegg	90	7/4.17	12.5
Wasp	100	7/4.39	13.2
Beetle	100	19/2.67	13.4
Bee	125	7/4.90	14.7
Cricket	150	7/5.36	16.1
Hornet	150	19/3.25	16.3
Caterpillar	175	19/3.53	17.7
Chafer	200	19/3.78	18.9
Spider	225	19/3.99	20.0
Cockroach	250	19/4.22	21.1
Butterfly	300	19/4.65	23.3
Moth	350	19/5.00	25.0
Drone	350	37/3.58	25.1
Locust	400	19/5.36	26.8
Centipede	400	37/3.78	26.5
Maybug	450	37/4.09	28.6
Scorpion	500	37/4.27	29.9
Cicada	600	37/4.65	32.6
Tarantula	750	37/5.23	36.6

## Conductor Armouring and Repair

Armour Splice	Armour Rods	Repair Sleeve	Line Guard	Line Splice
AS 0602014	AR 0201211	RS 5303063	LG 2005611	LS 2406214
AS 0602018	AR 0201213	RS 5303074	LG 2005613	LS 2406218
AS 0602016	AR 0201212	RS 5303069	LG 2005612	LS 2406216
AS 0602021	AR 0201215	RS 5303083	LG 2005615	LS 2406221
AS 0602020	AR 0201214	RS 5303079	LG 2005614	LS 2406220
AS 0602022	AR 0201216	RS 5303087	LG 2005616	LS 2406222
AS 0602024	AR 0201217	RS 5303093	LG 2005617	LS 2406224
AS 0602027	AR 0201219	RS 5303105	LG 2005619	LS 2406227
AS 0602029	AR 0201220	RS 5303113	LG 2005620	LS 2406229
AS 0602030	AR 0201221	RS 5303118	LG 2005621	LS 2406230
AS 0602030	AR 0201221	RS 5303118	LG 2005621	LS 2406230
AS 0602032	AR 0201223	RS 5303128	LG 2005623	LS 2406232
AS 0602033	AR 0201223	RS 5303133	LG 2005623	LS 2406233
AS 0602034	AR 0201224	RS 5303138	LG 2005624	LS 2406234
AS 0602036	AR 0201225	RS 5303151	LG 2005625	LS 2406236
AS 0602038	AR 0201228	RS 5303164	LG 2005628	LS 2406238
AS 0602038	AR 0201228	RS 5303164	LG 2005628	LS 2406238
AS 0602040	AR 0201230	RS 5303178	LG 2005630	LS 2406240
AS 0602042	AR 0201232	RS 5303193	LG 2005632	LS 2406242
AS 0602043	AR 0201233	RS 5303201	LG 2005632	LS 2406243
AS 0602045	AR 0201234	RS 5303216	LG 2005633	LS 2406245
AS 0602047	AR 0201236	RS 5303236	LG 2005635	LS 2406247
AS 0602049	AR 0201238	RS 5303256	LG 2005636	LS 2406249
AS 0602049	AR 0201238	RS 5303256	LG 2005637	LS 2406249
AS 0602051	AR 0201240	RS 5303277	LG 2005638	LS 2406251
AS 0602050	AR 0201240	RS 5303267	LG 2005638	LS 2406250
AS 0602052	AR 0201242	RS 5303289	LG 2005640	LS 2406252
AS 0602053	AR 0201244	RS 5303301	LG 2005641	LS 2406253
AS 0602055	AR 0201246	RS 5303330	LG 2005643	LS 2406255
AS 0602058	AR 0201249	RS 5303373	LG 2005646	LS 2406258

## Conductor Terminations

Code Name	Conductor Dead End	Distribution Grip Dead End	Service Grip Dead End	Concentric Dead End
Midge	CDE 0902614	DDE 5011713	SDE 5005403	Listed separately under Concentric Cable
Aphis	CDE 0902618	DDE 5011714	SDE 5005404	
Gnat	CDE 0902616	DDE 5011714	SDE 5005404	
Weevil	CDE 0902621	DDE 5011715	SDE 5005405	
Mosquito	CDE 0902620	DDE 5011715	SDE 5005405	
Ladybird	CDE 0902622	DDE 5011716	SDE 5005406	
Ant	CDE 0902624	DDE 5011717	SDE 5005407	
Fly	CDE 0902627	DDE 5011717	SDE 5005408	
Bluebottle	CDE 0902629	DDE 5011718	SDE 5005408	
Earwig	CDE 0902630	DDE 5011718	SDE 5005408	
Grasshopper	CDE 0902630	DDE 5011718	SDE 5005409	
Clegg	CDE 0902632	DDE 5011719	SDE 5005409	
Wasp	CDE 0902633	DDE 5011720	SDE 5005410	
Beetle	CDE 0902634	DDE 5011720	SDE 5005410	
Bee	CDE 0902636	DDE 5011721	SDE 5005410	
Cricket	CDE 0902638	DDE 5011721	Available on request	
Hornet	CDE 0902638	DDE 5011721		
Caterpillar	CDE 0902640	DDE 5011722		
Chafer	CDE 0902642	DDE 5011723		
Spider	Available on request	DDE 5011723		
Cockroach		DDE 5011723		
Butterfly		DDE 5011724		
Moth		DDE 5011725		
Drone		DDE 5011725		
Locust		DDE 5011725		
Centipede		DDE 5011725		
Maybug		DDE 5011726		
Scorpion		DDE 5011726		
Cicada				
Tarantula				



**Conductor Ties – 1** For use on Construction up to 11kV

Insulators = 78mm Neck Dia. 22mm Groove Dia.

Code Name	Distribution Tie	Double Distribution Tie	Groove Formed Side Tie	Angle Tie
Midge	DT 5070716	DDT 5070716	GFST 5080716	AT 5000716
Aphis	DT 5070720	DDT 5070720	GFST 5080720	AT 5000720
Gnat	DT 5070718	DDT 5070718	GFST 5080718	AT 5000718
Weevil	DT 5070720	DDT 5070720	GFST 5080720	AT 5000720
Mosquito	DT 5070720	DDT 5070720	GFST 5080720	AT 5000720
Ladybird	DT 5070722	DDT 5070722	GFST 5080722	AT 5000722
Ant	DT 5070724	DDT 5070724	GFST 5080724	AT 5000724
Fly	DT 5070724	DDT 5070724	GFST 5080724	AT 5000724
Bluebottle	DT 5070726	DDT 5070726	GFST 5080726	AT 5000726
Earwig	DT 5070726	DDT 5070726	GFST 5080726	AT 5000726
Grasshopper	DT 5070728	DDT 5070728	GFST 5080728	AT 5000728
Clegg	DT 5070728	DDT 5070728	GFST 5080728	AT 5000728
Wasp	DT 5070728	DDT 5070728	GFST 5080728	AT 5000728
Beetle	DT 5070730	DDT 5070730	GFST 5080730	AT 5000730
Bee	DT 5070730	DDT 5070730	GFST 5080730	AT 5000730
Cricket	DT 5070732	DDT 5070732		
Hornet	DT 5070732	DDT 5070732		
Caterpillar	DT 5070734	DDT 5070734		
Chafer	DT 5070734	DDT 5070734		
Spider	DT 5070736	DDT 5070736		
Cockroach	DT 5070736	DDT 5070736		
Butterfly	DT 5070738	DDT 5070738		
Moth	DT 5070740	DDT 5070740		
Drone	DT 5070740	DDT 5070740		
Locust	DT 5070740	DDT 5070740		
Centipede	DT 5070740	DDT 5070740		
Maybug	DT 5070742	DDT 5070742		
Scorpion	DT 5070742	DDT 5070742		
Cicada				
Tarantula				

**Insulators**

78mm Neck Dia.  
22mm Groove Dia.

**Insulators**

45mm Neck Dia.  
19mm Groove Dia.

**Groove Formed Side Tie**

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GFST 5080116

GFST 5080120

GFST 5080118

GFST 5080120

GFST 5080120

GFST 5080122

GFST 5080124

The overall diameter of conductor and protective pad is now too large to fit into the side/top groove of the Standard 11kV British Insulator. For larger top grooved 11kV insulators, ranges use fittings below black bar.

**Conductor Ties – 2** For use on Construction up to 33kV

Insulators = 120mm Neck Dia. 32mm Groove Dia.

Code Name	Distribution Tie	Double Distribution Tie	Groove Formed Side Tie	Angle Tie
Midge	DT 5071416	DDT 5071416	GFST 5081416	AT 5001416
Aphis	DT 5071420	DDT 5071420	GFST 5081420	AT 5001420
Gnat	DT 5071418	DDT 5071418	GFST 5081418	AT 5001418
Weevil	DT 5071420	DDT 5071420	GFST 5081420	AT 5001420
Mosquito	DT 5071420	DDT 5071420	GFST 5081420	AT 5001420
Ladybird	DT 5071422	DDT 5071422	GFST 5081422	AT 5001422
Ant	DT 5071424	DDT 5071424	GFST 5081424	AT 5001424
Fly	DT 5071424	DDT 5071424	GFST 5081424	AT 5001424
Bluebottle	DT 5071426	DDT 5071426	GFST 5081426	AT 5001426
Earwig	DT 5071426	DDT 5071426	GFST 5081426	AT 5001426
Grasshopper	DT 5071428	DDT 5071428	GFST 5081428	AT 5001428
Clegg	DT 5071428	DDT 5071428	GFST 5081428	AT 5001428
Wasp	DT 5071428	DDT 5071428	GFST 5081428	AT 5001428
Beetle	DT 5071430	DDT 5071430	GFST 5081430	AT 5001430
Bee	DT 5071430	DDT 5071430	GFST 5081430	AT 5001430
Cricket	DT 5071432	DDT 5071432	GFST 5081432	AT 5001432
Hornet	DT 5071432	DDT 5071432	GFST 5081432	AT 5001432
Caterpillar	DT 5071434	DDT 5071434	GFST 5081434	AT 5001434
Chafer	DT 5071434	DDT 5071434	GFST 5081434	AT 5001434
Spider	DT 5071436	DDT 5071436	GFST 5081436	AT 5001436
Cockroach	DT 5071436	DDT 5071436	GFST 5081436	AT 5001436
Butterfly	DT 5071438	DDT 5071438		
Moth	DT 5071440	DDT 5071440		
Drone	DT 5071440	DDT 5071440		
Locust	DT 5071440	DDT 5071440		
Centipede	DT 5071440	DDT 5071440		
Maybug	DT 5071442	DDT 5071442		
Scorpion	DT 5071442	DDT 5071442		
Cicada				
Tarantula				

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<p>The overall diameter of conductor and protective pad is now too large to fit into the side/top groove of the Standard 33kV British Insulator. For larger top grooved 33kV insulators, ranges below black bar are listed.</p>		
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Section 4

**Hard Drawn Cadmium-Copper**

Fittings for use on Hard Drawn Cadmium-Copper Stranded Conductors

## Hard Drawn Cadmium-Copper Stranded Conductors – British Sizes

Nominal Equivalent Area of Hard Drawn Copper inch <sup>2</sup>	Stranding and Wire Diameter mm	Overall Diameter mm
0.017*	3/2.36	5.08
0.022	3/2.67	5.74
0.022	7/1.75	5.26
0.025	7/1.85	5.56
0.025*	3/2.84	6.12
0.035*	3/3.33	7.16
0.035	7/2.18	6.55
0.040	3/3.58	7.72
0.040	7/2.36	7.09
0.050*	3/4.01	8.64
0.050	7/2.62	7.85
0.060	3/4.39	9.47
0.060	7/2.87	8.61
0.075	3/4.90	10.6
0.075*	7/3.23	9.68
0.100*	7/3.71	11.1
0.100	19/2.26	11.3
0.125	7/4.17	12.5
0.125	19/2.54	12.7
0.150*	7/4.55	13.6
0.150*	19/2.77	13.8
0.175	7/4.93	14.8
0.175*	19/3.00	15.0
0.200*	19/3.20	16.0
0.200	37/2.31	16.2
0.225	19/3.40	17.0
0.225	37/2.44	17.1
0.25*	19/3.58	17.9
0.25	37/2.57	18.0
0.3*	19/3.94	19.7
0.3*	37/2.84	19.9
0.4	19/4.55	22.7
0.4	37/3.28	22.9
0.5	19/5.08	25.4
0.5	37/3.63	25.4

\*Preferred Sizes

## Conductor Armouring and Repair

Armour Splice	Armour Rods	Repair Sleeve	Line Guard	Line Splice
ASDB 0702211	AR 0101008	Available on request	LG 2205808	LSDB 2707006
ASDB 0702214	AR 0101011		LG 2205811	LSDB 2707009
ASDB 0702212	AR 0101008		LG 2205808	LSDB 2707007
ASDB 0702214	AR 0101010		LG 2205810	LSDB 2707009
ASDB 0702216	AR 0101012		LG 2205812	LSDB 2707011
ASDB 0702220	AR 0101015		LG 2205815	LSDB 2707015
ASDB 0702217	AR 0101013		LG 2205813	LSDB 2707012
ASDB 0702222	AR 0101016		LG 2205816	LSDB 2707017
ASDB 0702219	AR 0101015		LG 2205815	LSDB 2707014
ASDB 0702225	AR 0101018		LG 2205818	LSDB 2707020
ASDB 0702222	AR 0101016		LG 2205816	LSDB 2707017
ASDB 0702227	AR 0101020		LG 2205820	LSDB 2707022
ASDB 0702225	AR 0101018		LG 2205818	LSDB 2707020
ASDB 0702230	AR 0101022		LG 2205822	LSDB 2707025
ASDB 0702228	AR 0101020		LG 2205820	LSDB 2707023
ASDB 0702231	AR 0101023		LG 2205823	LSDB 2707026
ASDB 0702232	AR 0101023		LG 2205823	LSDB 2707027
ASDB 0702234	AR 0101025		LG 2205825	LSDB 2707029
ASDB 0702235	AR 0101025		LG 2205825	LSDB 2707030
ASDB 0702236	AR 0101027		LG 2205827	LSDB 2707031
ASDB 0702237	AR 0101027		LG 2205827	LSDB 2707032
ASDB 0702239	AR 0101028		LG 2205828	Available on request
ASDB 0702239	AR 0101028		LG 2205828	
ASDB 0702241	AR 0101030		LG 2205830	
ASDB 0702242	AR 0101030		LG 2205830	
ASDB 0702243	AR 0101031		LG 2205831	
ASDB 0702243	AR 0101031		LG 2205831	
ASDB 0702244	AR 0101032		LG 2205832	
ASDB 0702244	AR 0101032		LG 2205832	
ASDB 0702247	AR 0101034		LG 2205834	
ASDB 0702247	AR 0101034		LG 2205834	
ASDB 0702250	AR 0101037		LG 2205837	
ASDB 0702250	AR 0101037		LG 2205837	
ASDB 0702253	AR 0101039		LG 2205839	
ASDB 0702253	AR 0101039		LG 2205839	

NB: It may be necessary to change the specification of the product, due to the non-availability of some material.

**Conductor Terminations**

Nominal Equivalent Area of Hard Drawn Copper inch <sup>2</sup>	Conductor Dead End	Conductor Dead End	Service Grip Dead End
0.017*	CDE 1103001	DDE 4611811	SDE 1905452
0.022	CDE 1103004	DDE 4611812	SDE 1905453
0.022	CDE 1103002	DDE 4611812	SDE 1905452
0.025	CDE 1103003	DDE 4611812	SDE 1905452
0.025*	CDE 1103005	DDE 4611813	SDE 1905453
0.035*	CDE 1103008	DDE 4611814	SDE 1905454
0.035	CDE 1103006	DDE 4611814	SDE 1905454
0.040	CDE 1103009	DDE 4611815	SDE 1905455
0.040	CDE 1103007	DDE 4611814	SDE 1905454
0.050*	CDE 1103013	DDE 4611816	SDE 1905456
0.050	CDE 1103010	DDE 4611815	SDE 1905455
0.060	CDE 1103014	DDE 4611817	SDE 1905457
0.060	CDE 1103012	DDE 4611816	SDE 1905456
0.075	CDE 1103017	DDE 4611818	SDE 1905458
0.075*	CDE 1103015	DDE 4611817	SDE 1905457
0.100*	CDE 1103018	DDE 4611818	SDE 1905458
0.100	CDE 1103019	DDE 4611818	SDE 1905458
0.125		DDE 4611819	SDE 1905459
0.125	Available on request	DDE 4611819	SDE 1905459
0.150*		DDE 4611820	SDE 1905460
0.150*		DDE 4611820	SDE 1905460
0.175		DDE 4611821	Available on request
0.175*		DDE 4611821	
0.200*		DDE 4611821	
0.200		DDE 4611821	
0.225		DDE 4611822	
0.225		DDE 4611822	
0.25*		DDE 4611822	
0.25		DDE 4611822	
0.3*		DDE 4611823	
0.3*		DDE 4611823	
0.4		DDE 4611824	
0.4		DDE 4611824	
0.5		DDE 4611825	
		DDE 4611825	



**Conductor Ties – 1** For use on Construction up to 11kV

**Insulators** = 78mm Neck Dia. 22mm Groove Dia.

Nominal Equivalent Area of Hard Drawn Copper inch <sup>2</sup>	Distribution Tie	Double Distribution Tie	Groove Formed Side Tie	Angle Tie
0.017*	DT 5670714	DDT 5670714	GFST 5680714	AT 5600714
0.022	DT 5670716	DDT 5670716	GFST 5680716	AT 5600716
0.022	DT 5670714	DDT 5670714	GFST 5680714	AT 5600714
0.025	DT 5670716	DDT 5670716	GFST 5680716	AT 5600716
0.025*	DT 5670716	DDT 5670716	GFST 5680716	AT 5600716
0.035*	DT 5670720	DDT 5670720	GFST 5680720	AT 5600720
0.035	DT 5670718	DDT 5670718	GFST 5680718	AT 5600718
0.040	DT 5670720	DDT 5070720	GFST 5680720	AT 5600720
0.040	DT 5670720	DDT 5670720	GFST 5680720	AT 5600720
0.050*	DT 5670722	DDT 5670722	GFST 5680722	AT 5600722
0.050	DT 5670720	DDT 5670720	GFST 5680720	AT 5600720
0.060	DT 5670724	DDT 5670724	GFST 5680724	AT 5600724
0.060	DT 5670722	DDT 5670722	GFST 5680722	AT 5600722
0.075	DT 5670726	DDT 5670726	GFST 5680726	AT 5600726
0.075*	DT 5670724	DDT 5070724	GFST 5680724	AT 5600724
0.100*	DT 5670726	DDT 5670726	GFST 5680726	AT 5600726
0.100	DT 5670726	DDT 5670726	GFST 5680726	AT 5600726
0.125	DT 5670728	DDT 5670728	GFST 5680728	AT 5600728
0.125	DT 5670728	DDT 5670728	GFST 5680728	AT 5600728
0.150*	DT 5670730	DDT 5670730	GFST 5680730	AT 5600730
0.150*	DT 5670730	DDT 5670730	GFST 5680730	AT 5600730
0.175	DT 5670730	DDT 5670730	GFST 5680730	AT 5600730
0.175*	DT 5670732	DDT 5670732		
0.200*	DT 5670732	DDT 5670732		
0.200	DT 5670732	DDT 5670732		
0.225	DT 5670734	DDT 5670734		
0.225	DT 5670734	DDT 5670734		
0.25*	DT 5670734	DDT 5670734		
0.25	DT 5670734	DDT 5670734		
0.3*	DT 5670736	DDT 5670736		
0.3*	DT 5670736	DDT 5670736		
0.4	DT 5670738	DDT 5670738		
0.4	DT 5670738	DDT 5670738		
0.5	DT 5670740	DDT 5670740		
	DT 5670740	DDT 5670740		

NB: For high corrosive areas all the above ties are available in copper alloy material.  
 The catalogue numbers are determined by changing the first two numerical digits to 59.  
 For example: DT 5670730 to 5970730.

**Insulators**

78mm Neck Dia.  
22mm Groove Dia.

**Insulators**

45mm Neck Dia.  
19mm Groove Dia.

**Groove Formed Side Tie**

GFST 5680114	The overall diameter of conductor and protective pad is now too large to fit into the side/top groove of the Standard 11kV British Insulator. For larger top grooved 11kV insulators, ranges below black bar are listed.
GFST 5680116	
GFST 5680114	
GFST 5680116	
GFST 5680116	
GFST 5680120	
GFST 5680118	
GFST 5680120	
GFST 5680120	
GFST 5680122	
GFST 5680120	
GFST 5680124	
GFST 5680122	
-	

NB: For high corrosive areas all the above ties are available in copper alloy material. The catalogue numbers are determined by changing the first two numerical digits to 59.

**Conductor Ties – 1** For use on Construction up to 33kV

Insulators = 120mm Neck Dia. 32mm Groove Dia.

Nominal Equivalent Area of Hard Drawn Copper inch <sup>2</sup>	Distribution Tie	Double Distribution Tie	Groove Formed Side Tie	Angle Tie
0.017*	DT 5671414	DDT 5671414	DDT 5671414	AT 5601414
0.022	DT 5671416	DDT 5671416	DDT 5671416	AT 5601416
0.022	DT 5671414	DDT 5671414	DDT 5671414	AT 5601414
0.025	DT 5671416	DDT 5671416	DDT 5671416	AT 5601416
0.025*	DT 5671416	DDT 5671416	DDT 5671416	AT 5601416
0.035*	DT 5671420	DDT 5671420	DDT 5671420	AT 5601420
0.035	DT 5671418	DDT 5671418	DDT 5671418	AT 5601418
0.040	DT 5671420	DDT 5671420	DDT 5671420	AT 5601420
0.040	DT 5671420	DDT 5671420	DDT 5671420	AT 5601420
0.050*	DT 5671422	DDT 5671422	DDT 5671422	AT 5601422
0.050	DT 5671420	DDT 5671420	DDT 5671420	AT 5601420
0.060	DT 5671424	DDT 5671424	DDT 5671424	AT 5601424
0.060	DT 5671422	DDT 5671422	DDT 5671422	AT 5601422
0.075	DT 5671426	DDT 5671426	DDT 5671426	AT 5601426
0.075*	DT 5671424	DDT 5070724	DDT 5070724	AT 5601424
0.100*	DT 5671426	DDT 5671426	DDT 5671426	AT 5601426
0.100	DT 5671426	DDT 5671426	DDT 5671426	AT 5601426
0.125	DT 5671428	DDT 5671428	DDT 5671428	AT 5601428
0.125	DT 5671428	DDT 5671428	DDT 5671428	AT 5601428
0.150*	DT 5671430	DDT 5671430	DDT 5671430	AT 5601430
0.150*	DT 5671430	DDT 5671430	DDT 5671430	AT 5601430
0.175	DT 5671430	DDT 5671430	DDT 5671430	AT 5601430
0.175*	DT 5671432	DDT 5671432	DDT 5671432	AT 5601432
0.200*	DT 5671432	DDT 5671432	DDT 5671432	AT 5601432
0.200	DT 5671432	DDT 5671432	DDT 5671432	AT 5601432
0.225	DT 5671434	DDT 5671434	DDT 5671434	AT 5601434
0.225	DT 5671434	DDT 5671434	DDT 5671434	AT 5601434
0.25*	DT 5671434	DDT 5671434	DDT 5671434	AT 5601434
0.25	DT 5671434	DDT 5671434	DDT 5671434	AT 5601434
0.3*	DT 5671436	DDT 5671436	DDT 5671436	AT 5601436
0.3*	DT 5671436	DDT 5671436	DDT 5671436	AT 5601436
0.4	DT 5671438	DDT 5671438	DDT 5671438	AT 5601438
0.4	DT 5671438	DDT 5671438	DDT 5671438	AT 5601438
0.5				

NB: For high corrosive areas all the above ties are available in copper alloy material.  
The catalogue numbers are determined by changing the first two numerical digits to 59.  
For example: DT 5671430 to 5971430.

The overall diameter of conductor and protective pad is now too large to fit into the side/top groove of the Standard 33kV British Insulator. For larger top grooved 33kV insulators, ranges below black bar are listed.



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Section 5

**Hard Drawn Copper**

**Fittings for use on Hard Drawn Copper Stranded Conductors**

## Hard Drawn Copper Stranded Conductors – British Sizes

Nominal Area			B & SG (AWG)	Stranding and Wire Diameter	Overall Diameter
inch <sup>2</sup>	+mm <sup>2</sup>	circ mils		+mm	+mm
-	10	-	-	7/1.35	4.05
-	14	-	-	7/1.60	4.80
0.022	-	-	-	7/1.63	4.88
-	16	-	-	3/2.65	5.69
0.025	-	-	-	3/2.65	5.69
-	-	41740	4	3/3.0	6.45
-	25	-	-	7/2.10	6.30
-	-	52620	3	3/3.37	7.24
0.05	-	-	-	3/3.73	8.05
-	-	66360	2	3/3.78	8.13
-	35	-	-	7/2.5	7.50
0.058	-	-	-	7/2.64	7.92
-	-	83690	1	3/4.24	9.14
0.075	-	-	-	7/2.95	8.84
-	50	-	-	7/3.0	9.0
-	-	105600	1/0	7/3.12	9.35
0.10	-	-	-	7/3.45	10.4
-	70	-	-	7/3.55	10.65
-	-	133100	2/0	7/3.5	10.5
-	-	167800	3/0	7/3.93	11.8
-	100	-	-	7/4.30	12.9
0.15	-	-	-	7/4.22	12.6
-	-	211600	4/0	7/4.42	13.3
-	125	-	-	19/2.90	14.5
-	-	250000	-	12/3.66	15.2
0.20	-	-	-	7/4.9	14.7
0.20	-	-	-	19/2.95	14.7
-	150	-	-	19/3.20	16.0
-	-	300000	-	12/4.02	16.7
-	185	-	-	19/3.55	17.75

+ Metric Measurements: BS 125:1970

## Conductor Armouring and Repair

Armour Splice	Armour Rods	Repair Sleeve	Line Guard	Line Splice
ASDB 0702205	AR 0101003	Available on request	LG 2205803	LSDB 2707001
ASDB 0702210	AR 0101007		LG 2205807	LSDB 2707005
ASDB 0702210	AR 0101007		LG 2205807	LSDB 2707005
ASDB 0702214	AR 0101010		LG 2205810	LSDB 2707009
ASDB 0702214	AR 0101010		LG 2205810	LSDB 2707009
ASDB 0702217	AR 0101013		LG 2205813	LSDB 2707012
ASDB 0702217	AR 0101012		LG 2205812	LSDB 2707012
ASDB 0702220	AR 0101015		LG 2205815	LSDB 2707015
ASDB 0702223	AR 0101017		LG 2205817	LSDB 2707018
ASDB 0702223	AR 0101017		LG 2205817	LSDB 2707018
ASDB 0702221	AR 0101015		LG 2205815	LSDB 2707016
ASDB 0702222	AR 0101016		LG 2205816	LSDB 2707017
ASDB 0702226	AR 0101019		LG 2205819	LSDB 2707021
ASDB 0702225	AR 0101018		LG 2205818	LSDB 2707020
ASDB 0702226	AR 0101019		LG 2205819	LSDB 2707021
ASDB 0702227	AR 0101019		LG 2205819	LSDB 2707022
ASDB 0702229	AR 0101022		LG 2205822	LSDB 2707024
ASDB 0702230	AR 0101022		LG 2205822	LSDB 2707025
ASDB 0702230	AR 0101022		LG 2205822	LSDB 2707025
ASDB 0702233	AR 0101024		LG 2205824	LSDB 2707028
ASDB 0702235	AR 0101026		LG 2205826	LSDB 2707030
ASDB 0702235	AR 0101025		LG 2205825	LSDB 2707030
ASDB 0702236	AR 0101026		LG 2205826	LSDB 2707031
ASDB 0702239	AR 0101028		LG 2205828	Available on request
ASDB 0702240	AR 0101029		LG 2205828	
ASDB 0702239	AR 0101028		LG 2205828	
ASDB 0702239	AR 0101028		LG 2205828	
ASDB 0702241	AR 0101030		LG 2205830	
ASDB 0702242	AR 0101030		LG 2205830	
ASDB 0702244	AR 0101031		LG 2205831	

NB: It may be necessary to change the specification of the product, due to the non-availability of some material.

## Conductor Terminations

Nominal Area		Conductor	Distribution Grip
inch <sup>2</sup>	+mm <sup>2</sup>	Dead End	Dead End
-	10	CDE 1002816	-
-	14	CDE 1002822	DDE 4611811
0.022	-	CDE 1002822	DDE 4611811
-	16	CDE 1002827	DDE 4611812
0.025	-	CDE 1002827	DDE 4611812
-	-	CDE 1002831	DDE 4611813
-	25	CDE 1002831	DDE 4611813
-	-	CDE 1002836	DDE 4611814
0.05	-	CDE 1002840	DDE 4611815
-	-	CDE 1002840	DDE 4611815
-	35	CDE 1002837	DDE 4611815
0.058	-	CDE 1002840	DDE 4611815
-	-	CDE 1002844	DDE 4611816
0.075	-	CDE 1002843	DDE 4611816
-	50	CDE 1002844	DDE 4611816
-	-	CDE 1002846	DDE 4611817
0.10	-	CDE 1002849	DDE 4611817
-	70	CDE 1002850	DDE 4611818
-	-	CDE 1002849	DDE 4611818
-	-	CDE 1002855	DDE 4611819
-	100	CDE 1002858	DDE 4611819
0.15	-	CDE 1002857	DDE 4611819
-	-	CDE 1002860	DDE 4611820
-	125	CDE 1002864	DDE 4611820
-	-	CDE 1002866	DDE 4611821
0.20	-	CDE 1002865	DDE 4611821
0.20	-	CDE 1002865	DDE 4611821
-	150	CDE 1002868	DDE 4611821
-	-	CDE 1002870	DDE 4611822
-	185	-	DDE 4611822

Service Grip  
Dead End

-			
SDE 1905451			
SDE 1905451			
SDE 1905452			
SDE 1905452			
SDE 1905453			
SDE 1905453			
SDE 1905454			
SDE 1905455			
SDE 1905455			
SDE 1905455			
SDE 1905455			
SDE 1905456			
SDE 1905456			
SDE 1905456			
SDE 1905457			
SDE 1905458			
SDE 1905458			
SDE 1905458			
SDE 1905459			
SDE 1905459			
SDE 1905459			
SDE 1905460			
SDE 1905460			

**Conductor Ties – 1** For use on Construction up to 11kV

**Insulators = 78mm Neck Dia. 22mm Groove Dia.**

Nominal Area		Distribution Tie	Double Distribution Tie
inch <sup>2</sup>	+mm <sup>2</sup>		
–	10	–	–
–	14	–	–
0.022	–	DT 5670714	DDT 5670714
–	16	DT 5670716	DDT 5670716
0.025	–	DT 5670716	DDT 5670716
–	–	DT 5670718	DDT 5670718
–	25	DT 5670718	DDT 5670718
–	–	DT 5670720	DDT 5670720
0.05	–	DT 5670722	DDT 5670722
–	–	DT 5670722	DDT 5670722
–	35	DT 5670720	DDT 5670720
0.058	–	DT 5670720	DDT 5670720
–	–	DT 5670724	DDT 5670724
0.075	–	DT 5670722	DDT 5670722
–	50	DT 5670722	DDT 5670722
–	–	DT 5670724	DDT 5670724
0.10	–	DT 5670726	DDT 5670726
–	70	DT 5670726	DDT 5670726
–	–	DT 5670726	DDT 5670726
–	–	DT 5670728	DDT 5670728
–	100	DT 5670728	DDT 5670728
0.15	–	DT 5670728	DDT 5670728
–	–	DT 5670730	DDT 5670730
–	125	DT 5670730	DDT 5670730
–	–	DT 5670732	DDT 5670732
0.20	–		
0.20	–	DT 5670730	DDT 5670730
–	150	DT 5670730	DDT 5670730
–	–	DT 5670732	DDT 5670732
–	185	DT 5670732	DDT 5670732

NB: For high corrosive areas all the above ties are available in copper alloy material.  
 The catalogue numbers are determined by changing the first two numerical digits to 59.  
 For example: DT 5670730 to 5970730.

**Conductor Ties – 1** For use on Construction up to 11kV

Groove Formed Side Tie	Angle Tie	Insulators 78mm Neck Dia. 22mm Groove Dia.	Insulators 45mm Neck Dia. 19mm Groove Dia. Groove Formed Side Tie
-	-		-
-	-		-
GFST 5680714	AT 5600714		GFST 5680114
GFST 5680716	AT 5600716		GFST 5680116
GFST 5680716	AT 5600716		GFST 5680116
GFST 5680718	AT 5600718		GFST 5680118
GFST 5680718	AT 5600718		GFST 5680118
GFST 5680720	AT 5600720		GFST 5680120
GFST 5680722	AT 5600722		GFST 5680122
GFST 5680722	AT 5600722		GFST 5680122
GFST 5680720	AT 5600720		GFST 5680120
GFST 5680720	AT 5600720		GFST 5680120
GFST 5680724	AT 5600724		GFST 5680124
GFST 5680722	AT 5600722		GFST 5680122
GFST 5680722	AT 5600722		GFST 5680122
GFST 5680724	AT 5600724		GFST 5680122
GFST 5680726	AT 5600726		The overall diameter of conductor and protective pad is now too large to fit into the side/top groove of the Standard 11kV British Insulator. For larger top grooved 11kV insulators, ranges below black bar are listed.
GFST 5680726	AT 5600726		
GFST 5680726	AT 5600726		
GFST 5680728	AT 5600728		
GFST 5680728	AT 5600728		
GFST 5680728	AT 5600728		
GFST 5680730	AT 5600730		
GFST 5680730	AT 5600730		
GFST 5680732	AT 5600732		
GFST 5680730	AT 5600730		
GFST 5680730	AT 5600730		

NB: For high corrosive areas all the above ties are available in copper alloy material. The catalogue numbers are determined by changing the first two numerical digits to 59.

**Conductor Ties – 2** For use on Construction up to 33kV

**Insulators = 120mm Neck Dia. 32mm Groove Dia.**

Nominal Area		Distribution Tie	Double Distribution Tie
inch <sup>2</sup>	+mm <sup>2</sup>		
–	10	–	–
–	14	–	–
0.022	–	DT 5671414	DDT 5671414
–	16	DT 5671416	DDT 5671416
0.025	–	DT 5671416	DDT 5671416
–	–	DT 5671418	DDT 5671418
–	25	DT 5671418	DDT 5671418
–	–	DT 5671420	DDT 5671420
0.05	–	DT 5671422	DDT 5671422
–	–	DT 5671422	DDT 5671422
–	35	DT 5671420	DDT 5671420
0.058	–	DT 5671420	DDT 5671420
–	–	DT 5671424	DDT 5671424
0.075	–	DT 5671422	DDT 5671422
–	50	DT 5671422	DDT 5671422
–	–	DT 5671424	DDT 5671424
0.10	–	DT 5671426	DDT 5671426
–	70	DT 5671426	DDT 5671426
–	–	DT 5671426	DDT 5671426
–	–	DT 5671428	DDT 5671428
–	100	DT 5671428	DDT 5671428
0.15	–	DT 5671428	DDT 5671428
–	–	DT 5671430	DDT 5671430
–	125	DT 5671430	DDT 5671430
–	–	DT 5671432	DDT 5671432
–	–	–	–
0.20	–	DT 5671430	DDT 5671430
0.20	–	DT 5671430	DDT 5671430
–	150	DT 5671432	DDT 5671432
–	–	DT 5671432	DDT 5671432
–	185	DT 5671434	DDT 5671434

NB: For high corrosive areas all the above ties are available in copper alloy material.  
 The catalogue numbers are determined by changing the first two numerical digits to 59.  
 For example: DT 5671430 to 5971430.

**Conductor Ties – 2** For use on Construction up to 33kV

**Insulators** = 120mm Neck Dia. 32mm Groove Dia.

Groove Formed  
Side Tie

Angle  
Tie

Groove Formed Side Tie	Angle Tie		
-	-		
-	-		
GFST 5681414	AT 5601414		
GFST 5681416	AT 5601416		
GFST 5681416	AT 5601416		
GFST 5681418	AT 5601418		
GFST 5681418	AT 5601418		
GFST 5681420	AT 5601420		
GFST 5681422	AT 5601422		
GFST 5681422	AT 5601422		
GFST 5681420	AT 5601420		
GFST 5681420	AT 5601420		
GFST 5681424	AT 5601424		
GFST 5681422	AT 5601422		
GFST 5681422	AT 5601422		
GFST 5681424	AT 5601424		
GFST 5681426	AT 5601426		
GFST 5681426	AT 5601426		
GFST 5681426	AT 5601426		
GFST 5681428	AT 5601428		
GFST 5681428	AT 5601428		
GFST 5681428	AT 5601428		
GFST 5681430	AT 5601430		
GFST 5681430	AT 5601430		
GFST 5681432	AT 5601432		
-	-		
GFST 5681430	AT 5601430		
GFST 5681430	AT 5601430		
GFST 5681432	AT 5601432		
GFST 5681432	AT 5601432		
-	AT 5601434		



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Section 6

**Concentric and Split Concentric**

Fittings for use on Concentric and Split Concentric Cables

### Service Cables - Split Concentric - Solid Aluminium Phase Conductors

Conductor Nominal Area mm <sup>2</sup>	Nominal Diameter of Centre Phase Conductor mm	Number and Diameter of Copper Wires Concentric Layer		Approximate Thickness PVC Oversheath mm	Approximate Cable Diameter Overall mm
		Neutral Cond mm	Earth Cond mm		
6	2.76	7/0.85	3/1.35	1.40	10.1
10	3.57	8/1.04	3/1.70	1.40	12.1
16	4.50	7/1.35	3/2.03	1.40	13.7
25	5.58	8/1.53	5/2.03	1.40	15.2
35	6.58	10/1.70	4/2.25	1.50	17.5
50	7.65	13/1.70	6/2.25	1.60	21.6

### Split Concentric - Copper Phase Conductors

Conductor Nominal Area mm <sup>2</sup>	Number and Diameter of Copper Wires Concentric Layer			Approximate Thickness PVC Oversheath mm	Approximate Cable Diameter Overall mm
	Centre Phase Conductor mm	Neutral Cond mm	Earth Cond mm		
4	7/0.85	7/0.85	3/1.35	1.40	10.4
6	7/1.04	7/1.04	4/1.53	1.40	11.3
10	7/1.35	7/1.35	4/1.78	1.40	12.7
16	7/1.70	7/1.70	4/2.25	1.40	14.7
25	7/2.14	11/1.70	4/2.25	1.50	18.2
35	19/1.53	15/1.70	6/2.25	1.60	22.7

### CNE Concentric - Solid Aluminium Phase Conductors

Conductor Nominal Area mm <sup>2</sup>	Nominal Diameter of Centre Phase Conductor mm	Number and Diameter of Copper Wires Concentric Layer		Approximate Thickness PVC Oversheath mm	Approximate Cable Diameter Overall mm
		Neutral and Earth Conductor			
6	2.76	16/0.67		1.40	8.9
10	3.57	21/0.67		1.40	10.2
16	4.50	19/0.85		1.40	11.5
25	5.58	27/0.85		1.40	13.0
35	6.58	25/1.04		1.40	14.4
50	7.65	33/1.04		1.50	16.1

### CNE Concentric - Copper Phase Conductors

Conductor Nominal Area mm <sup>2</sup>	Number and Diameter of Copper Wires Concentric Layer		Approximate Thickness PVC Oversheath mm	Approximate Cable Diameter Overall mm
	Centre Phase Conductor mm	Neutral and Earth Conductor mm		
4	7/0.85	15/0.67	1.40	8.7
6	7/1.04	18/0.67	1.40	9.3
10	7/1.35	18/0.85	1.40	11.0
16	7/1.70	28/0.85	1.40	12.1
25	7/2.14	25/1.13	1.40	14.4
35	19/1.53	24/1.35	1.40	16.1

Concentric  
Dead End

CND 5732117			
CND 5732129			
CND 5732145			
CND 5732155			
CND 5732180			
CND 5732216			
CND 5732117			
CND 5732117			
CND 5732129			
CND 5732155			
CND 5732195			
CND 5732242			
CND 5732099			
CND 5732117			
CND 5732117			
CND 5732145			
CND 5732145			
CND 5732180			
CND 5732099			
CND 5732099			
CND 5732117			
CND 5732129			
CND 5732145			
CND 5732180			
			NB It is most important the actual overall diameter of the cable is known when ordering. The adjacent manufacturers figures for overall cable diameter are stated as approximate. We therefore recommend that an accurate measurement be made of your cable before ordering and that the range chart overleaf be consulted.



## Conductor Diameter Range Chart

Concentric Dead End	Millimetres		Limited Tension Concentric Dead End
	min	max	
CND 5732099	8.58	9.99	
CND 5732117	10.00	11.67	
CND 5732129	11.68	12.99	LTCND 5710121
CND 5732145	13.00	14.59	LTCND 5709147
CND 5732155	14.60	15.59	LTCND 5713155
CND 5732180	15.60	18.09	
CND 5732195	18.10	19.59	
CND 5732216	19.60	21.60	
CND 5732242	21.61	24.20	LTCND 5716242
CND 5732260	24.21	26.00	LTCND 5718260
CND 5732280	26.01	28.00	
CND 5732300	28.01	30.00	
CND 5732022	30.01	32.20	
CND 5732352	32.21	35.20	
CND 5732382	35.21	38.20	

Use the above table where cable diameter is oversized.



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Section 7

**Compacted**

**Fittings for use on Compacted Stranded Conductors**

**Compacted 100 ACSR Stranded Conductors – British Sizes**

Code Name	Nominal Copper Area	Stranding and Wire Diameter		Overall Diameter
	sq in	Aluminium	Steel	mm
		mm	mm	
Bacup	0.015	Compacted	1/1.83	5.00
Barry	0.02	Compacted	1/2.11	5.76
Blaby	0.025	Compacted	1/2.36	6.45
Blyth	0.03	Compacted	1/2.59	7.06
Borth	0.04	Compacted	1/3.00	8.18
Bowes	0.05	Compacted	1/3.35	9.14
Brede	0.06	Compacted	1/3.66	9.98
Brigg	0.075	Compacted	1/4.09	11.18
Brome	0.10	Compacted	1/4.72	12.90

**Compacted 150 ACSR Stranded Conductors – British Sizes**

Code Name	Nominal Copper Area	Aluminium Wires	Steel Wires	Diameter	Overall Diameter
	sq in	No.	No.	mm	in
Caine	0.015	6	1	2.59	5.33
Carno	0.02	6	1	3.00	6.15
Acton	0.025	6	1	3.35	6.88
Chale	0.03	6	1	3.66	7.57
Churt	0.04	6	1	4.22	8.74
Clyro	0.01	6	1	4.72	9.78

**Compacted All Aluminium Stranded Conductors – British Sizes**

Code Name	Nominal Copper Area	Stranding and Wire Diameter		Overall Diameter
	sq in	mm		mm
Amble	0.022	Compacted	–	5.61
Alloa	0.025	Compacted	–	6.02
Alton	0.035	Compacted	–	7.06
Annan	0.04	Compacted	–	7.62
Appin	0.05	Compacted	–	8.46
Arley	0.06	Compacted	–	9.30
Ascot	0.075	Compacted	–	10.34
Askam	0.10	Compacted	–	11.99
Avoch	0.15	Compacted	–	14.78
Aynho	0.20	Compacted	–	17.22
Ayton	0.25	Compacted	–	19.18

## Conductor Armouring and Repair

Armour Splice	Armour Rods	Repair Sleeve	Line Guard	Line Splice
AS 0602009	AR 0201207	RS 5303052	LG 2005607	LS 2406209
AS 0602012	AR 0201209	RS 5303058	LG 2005609	LS 2406212
AS 0602015	AR 0201211	RS 5303065	LG 2005611	LS 2406215
AS 0602017	AR 0201213	RS 5303071	LG 2005613	LS 2406217
AS 0602021	AR 0201215	RS 5303083	LG 2005615	LS 2406221
AS 0602024	AR 0201217	RS 5303093	LG 2005617	LS 2406224
AS 0602026	AR 0201219	RS 5303101	LG 2005619	LS 2406226
AS 0602029	AR 0201221	RS 5303113	LG 2005621	LS 2406229
AS 0602033	AR 0201223	RS 5303133	LG 2005623	LS 2406233
AS 0602010	AR 0201208	RS 5303054	LG 2005608	LS 2406210
AS 0602014	AR 0201210	RS 5303063	LG 2005610	LS 2406214
AS 0602017	AR 0201212	RS 5303071	LG 2005612	LS 2406217
AS 0602019	AR 0201214	RS 5303076	LG 2005614	LS 2406219
AS 0602023	AR 0201216	RS 5303089	LG 2005616	LS 2406223
AS 0602026	AR 0201218	RS 5303101	LG 2005618	LS 2406226
AS 0602012	AR 0201209	RS 5303058	LG 2005609	LS 2406212
AS 0602013	AR 0201210	RS 5303061	LG 2005610	LS 2406213
AS 0602017	AR 0201213	RS 5303071	LG 2005613	LS 2406217
AS 0602020	AR 0201214	RS 5303079	LG 2005614	LS 2406220
AS 0602022	AR 0201216	RS 5303087	LG 2005616	LS 2406222
AS 0602024	AR 0201217	RS 5303093	LG 2005617	LS 2406224
AS 0602027	AR 0201219	RS 5303105	LG 2005619	LS 2406227
AS 0602031	AR 0201222	RS 5303122	LG 2005622	LS 2406231
AS 0602036	AR 0201225	RS 5303151	LG 2005625	LS 2406236
AS 0602040	AR 0201229	RS 5303178	LG 2005629	LS 2406240
AS 0602042	AR 0201232	RS 5303193	LG 2005632	LS 2406242

## Conductor Terminations

Code Name	Conductor Dead End	Distribution Grip Dead End	Service Grip Dead End	Concentric Dead End
Bacup	CDE 0902609	DDE 5011711	SDE 5005401	Listed separately under Concentric Cable.
Barry	CDE 0902612	DDE 5011712	SDE 5005403	
Blaby	CDE 0902615	DDE 5011713	SDE 5005403	
Blyth	CDE 0902617	DDE 5011714	SDE 5005404	
Borth	CDE 0902621	DDE 5011715	SDE 5005405	
Bowes	CDE 0902624	DDE 5011716	SDE 5005406	
Brede	CDE 0902626	DDE 5011717	SDE 5005407	
Brigg	CDE 0902629	DDE 5011718	SDE 5005408	
Brome	CDE 0902633	DDE 5011719	SDE 5005409	
Caine	CDE 0902610	DDE 5011712	SDE 5005402	
Carno	CDE 0902614	DDE 5011713	SDE 5005403	
Acton	CDE 0902617	DDE 5011714	SDE 5005404	
Chale	CDE 0902619	DDE 5011715	SDE 5005405	
Churt	CDE 0902623	DDE 5011716	SDE 5005406	
Clyro	CDE 0902626	DDE 5011717	SDE 5005407	
Amble	CDE 0902612	DDE 5011712	SDE 5005402	
Alloa	CDE 0902613	DDE 5011713	SDE 5005403	
Alton	CDE 0902617	DDE 5011714	SDE 5005404	
Annan	CDE 0902620	DDE 5011715	SDE 5005405	
Appin	CDE 0902622	DDE 5011716	SDE 5005406	
Arley	CDE 0902624	DDE 5011717	SDE 5005407	
Ascot	CDE 0902627	DDE 5011717	SDE 5005408	
Askam	CDE 0902631	DDE 5011719	SDE 5005409	
Avoch	CDE 0902636	DDE 5011721		
Aynho	CDE 0902640	DDE 5011722		
Ayton	CDE 0902642	DDE 5011723		



**Conductor Ties – 1** For use on Construction up to 11kV

Insulators = 78mm Neck Dia. 22mm Groove Dia.

Code Name	Distribution Tie	Double Distribution Tie	Groove Formed Side Tie	Angle Tie
Bacup	DT 5070714	DDT 5070714	GFST 5080714	AT 5000714
Barry	DT 5070716	DDT 5070716	GFST 5080716	AT 5000716
Blaby	DT 5070718	DDT 5070718	GFST 5080718	AT 5000718
Blyth	DT 5070720	DDT 5070720	GFST 5080720	AT 5000720
Borth	DT 5070722	DDT 5070722	GFST 5080722	AT 5000722
Bowes	DT 5070724	DDT 5070724	GFST 5080724	AT 5000724
Brede	DT 5070724	DDT 5070724	GFST 5080724	AT 5000724
Brigg	DT 5070726	DDT 5070726	GFST 5080726	AT 5000726
Brome	DT 5070728	DDT 5070728	GFST 5080728	AT 5000728
Caine	DT 5070714	DDT 5070714	GFST 5080714	AT 5000714
Carno	DT 5070716	DDT 5070716	GFST 5080716	AT 5000716
Acton	DT 5070718	DDT 5070718	GFST 5080718	AT 5000718
Chale	DT 5070720	DDT 5070720	GFST 5080720	AT 5000720
Churt	DT 5070722	DDT 5070722	GFST 5080722	AT 5000722
Clyro	DT 5070724	DDT 5070724	GFST 5080724	AT 5000724
Amble	DT 5070716	DDT 5070716	GFST 5080716	AT 5000716
Alloa	DT 5070716	DDT 5070716	GFST 5080716	AT 5000716
Alton	DT 5070720	DDT 5070720	GFST 5080720	AT 5000720
Annan	DT 5070720	DDT 5070720	GFST 5080720	AT 5000720
Appin	DT 5070722	DDT 5070722	GFST 5080722	AT 5000722
Arley	DT 5070724	DDT 5070724	GFST 5080724	AT 5000724
Ascot	DT 5070726	DDT 5070726	GFST 5080726	AT 5000726
Askam	DT 5070728	DDT 5070728	GFST 5080728	AT 5000728
Avoch	DT 5070730	DDT 5070730	GFST 5080730	AT 5000730

**Insulators**

78mm Neck Dia.  
22mm Groove Dia.

**Insulators**

19mm Groove Dia.  
Spool Tie

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SPT 5011001

SPT 5011004

SPT 5011007

SPT 5011009

SPT 5011013

SPT 5011016

SPT 5011018

SPT 5011003

SPT 5011006

SPT 5011009

SPT 5011011

SPT 5011015

SPT 5011018

SPT 5011004

SPT 5011005

SPT 5011009

SPT 5011011

SPT 5011014

SPT 5011016

**Conductor Ties – 2** For use on Construction up to 33kV

Insulators = 120mm Neck Dia. 32mm Groove Dia.

Code Name	Distribution Tie	Double Distribution Tie	Groove Formed Side Tie	Angle Tie
Bacup	DT 5071414	DDT 5071414	GFST 5081414	AT 5001414
Barry	DT 5071416	DDT 5071416	GFST 5081416	AT 5001416
Blaby	DT 5071418	DDT 5071418	GFST 5081418	AT 5001418
Blyth	DT 5071420	DDT 5071420	GFST 5081420	AT 5001420
Borth	DT 5071422	DDT 5071422	GFST 5081422	AT 5001422
Bowes	DT 5071424	DDT 5071424	GFST 5081424	AT 5001424
Brede	DT 5071424	DDT 5071424	GFST 5081424	AT 5001424
Brigg	DT 5071426	DDT 5071426	GFST 5081426	AT 5001426
Brome	DT 5071428	DDT 5071428	GFST 5081428	AT 5001428
Caine	DT 5071414	DDT 5071414	GFST 5081414	AT 5001414
Carno	DT 5071416	DDT 5071416	GFST 5081416	AT 5001416
Acton	DT 5071418	DDT 5071418	GFST 5081418	AT 5001418
Chale	DT 5071420	DDT 5071420	GFST 5081420	AT 5001420
Churt	DT 5071422	DDT 5071422	GFST 5081422	AT 5001422
Clyro	DT 5071424	DDT 5071424	GFST 5081424	AT 5001424
Amble	DT 5071416	DDT 5071416	GFST 5081416	AT 5001416
Alloa	DT 5071416	DDT 5071416	GFST 5081416	AT 5001416
Alton	DT 5071420	DDT 5071420	GFST 5081420	AT 5001420
Annan	DT 5071420	DDT 5071420	GFST 5081420	AT 5001420
Appin	DT 5071422	DDT 5071422	GFST 5081422	AT 5001422
Arley	DT 5071424	DDT 5071424	GFST 5081424	AT 5001424
Ascot	DT 5071426	DDT 5071426	GFST 5081426	AT 5001426
Askam	DT 5071428	DDT 5071428	GFST 5081428	AT 5001428
Avoch	DT 5071430	DDT 5071430	GFST 5081430	AT 5001430
Aynho	DT 5071434	DDT 5071434	GFST 5081434	AT 5001434
Ayton	DT 5071434	DDT 5071434	GFST 5081434	AT 5001434





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Section 8

**Low Voltage**

**Fittings for use in the containment of failure mode on Low Voltage Conductors**

## Aluminium Bare Stranded Conductor

Code Name	Nominal Aluminium Area	Equivalent Copper Area		Stranding and Wire Diameter	Overall Diameter
	mm <sup>2</sup>	mm <sup>2</sup>	inch <sup>2</sup>	mm	mm
Ant	50	32.3	0.050	7/3.10	9.3
Wasp	100	64.5	0.100	7/4.39	13.2

## Aluminium Stranded Conductor PVC Covered

Code Name	Nominal Aluminium Area	Equivalent Copper Area		Stranding and Wire Diameter	Overall Diameter
	mm <sup>2</sup>	mm <sup>2</sup>	inch <sup>2</sup>	mm	mm
Ant	50	32.2	0.050	7/3.10	11.7
Wasp	100	64.5	0.100	7/4.39	16.0

## Copper Bare Stranded Conductor

Nominal Area			Stranding and Wire Diameter	Overall Diameter
mm <sup>2</sup>	inch <sup>2</sup>		mm	mm
32	0.05		3/3.75	8.06
70	0.10		7/3.55	10.65

## Copper Stranded Conductor PVC Covered – BS 6485 1999 Type 8

Nominal Area			Stranding and Wire Diameter	Overall Diameter
mm <sup>2</sup>	inch <sup>2</sup>		mm	mm <sup>2</sup>
32	0.05		3/3.75	10.5
70	0.10		7/3.55	13.5

Dead End

Tie

LVDE 5015407R

LVDE 5015413R

Further sizes available

on request

LVT 5023867RN

LVT 5023873RN

LVDE 5715537R

LVDE 5715543R

Further sizes available

on request

LVT 5723837RN

LVT 5723843RN

LVDE 5615409R

LVDE 5615417R

Further sizes available

on request

LVT 5623869RN

LVT 5623877RN

LVDE 5715568R

LVDE 5715577R

Further sizes available

on request

LVT 5723868RN

LVT 5723877RN



**Length**

1 mm = 0.0394 in

1 in = 25.4 mm

1 in = 3.28084 ft

1 ft = 0.3048 in

1 km = 0.62137 miles

1 mile = 1.609344 km

**Mass**

1 kg = 2.20462 lb

1 lb = 0.4535929 kg

1 tonne = 0.984207 UK Ton

1 UK Ton = 1.01605 tonnes

**Torque**

1 Nm = 0.7376 lbs ft

1 lbs ft = 1.3558 Nm

1 Nm = 0.10197 kgf/m

**Pressure**

1 kgf/m<sup>2</sup> = 0.2048 lbf/ft<sup>2</sup>

1 lbf/ft<sup>2</sup> = 4.8824 kgf/m<sup>2</sup>

**Force**

1 Newton = 0.2248 lbs.f

1 kgf = 2.205 lbs.f = 9.80665 Newton

**Calculations**

Overall diameters of Strand Conductors

Wire diameter x factor = O.D.

No. of Wires	Construction	Multiplication Factor
1	1	1
3		2.1547
4		2.414
7	1+6	3
19	1+6+12	5
37	1+6+12+18	7
61	1+6+12+18+24	9

Applicable for conductors of uniform wire diameter stranding only.



The  
Connection  
you can count on



**PREFORMED** LINE PRODUCTS

Preformed Line Products (GB) Ltd  
East Portway · Andover · Hampshire SP10 3LH · England  
T: +44 (0) 1264 366234 · F: +44 (0) 1264 356714  
E: [plp@preformed-gb.com](mailto:plp@preformed-gb.com)  
[www.preformed-gb.com](http://www.preformed-gb.com)